

# Columbia University: School of Engineering

## Fall 2018 SEAS Final Evaluation

**Course:** COMSW3157\_001\_2018\_3 - ADVANCED PROGRAMMING

**Instructor:** Jae Lee \*

Elshadai Biru, Da Hua Chen, Dean Deng, Eli Goldin, Nelson Gomez, Nadav Gov-Ari, John Hui, Suhyun Kim, Hollis Lehv, Amanda Liu, Anna Lu, Hans Montero, Benjamin Most, Trang Pham, Aunoy Poddar, Jaya Subrahmanyam

**Response Rate:** 92/135 (68.15 %)

### 1 - Course: Amount Learned

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	1	1.09%					
Good	(3)	7	7.61%					
Very Good	(4)	23	25.00%					
Excellent	(5)	61	66.30%					
				0 25 50 100	Question			
<b>Response Rate</b>				<b>Mean</b>	<b>STD</b>	<b>Median</b>		
92/135 (68.15%)				4.57	0.68	5.00		

### 2 - Course: Appropriateness of Workload

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	10	10.87%					
Fair	(2)	24	26.09%					
Good	(3)	21	22.83%					
Very Good	(4)	15	16.30%					
Excellent	(5)	22	23.91%					
				0 25 50 100	Question			
<b>Response Rate</b>				<b>Mean</b>	<b>STD</b>	<b>Median</b>		
92/135 (68.15%)				3.16	1.34	3.00		

### 3 - Course: Fairness of Grading Process

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	11	11.96%					
Fair	(2)	12	13.04%					
Good	(3)	21	22.83%					
Very Good	(4)	21	22.83%					
Excellent	(5)	27	29.35%					
				0 25 50 100	Question			
<b>Response Rate</b>				<b>Mean</b>	<b>STD</b>	<b>Median</b>		
92/135 (68.15%)				3.45	1.35	4.00		

### 4 - Course: Overall Quality

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	3	3.26%					
Fair	(2)	9	9.78%					
Good	(3)	13	14.13%					
Very Good	(4)	28	30.43%					
Excellent	(5)	39	42.39%					
				0 25 50 100	Question			
<b>Response Rate</b>				<b>Mean</b>	<b>STD</b>	<b>Median</b>		
92/135 (68.15%)				3.99	1.12	4.00		

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### 5 - Enter any additional comments here

Response Rate	27/135 (20%)
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- I really feel like I'm learning a lot here. Having a project due just about every week really is a lot of work, but I think it might be necessary in order to understand the material well.
- It would be very helpful if the students had the option for which lab they want to drop as opposed to having it chosen for them. This was they could drop a lab worth 100 points instead of 150 even if they got a lower percentage score.
- The curriculum of this course is useful and interesting. The instructor is knowledgeable and competent. The TA's are smart and approachable. But, the course is executed poorly. First, the course consistently emphasizes irrelevant and trivial details in both assessments and labs, creating difficulty through pettiness, instead of complexity. Second, the course should better emphasize important material and consolidate its content. Content is distributed across lectures, lecture notes, review notes, labs, textbooks, practice exams, and ListServ announcements. The material should be clearly outlined in one place. Clarity and focus will improve the course and student experiences.
- Huge amount of work compared to other classes. The tests do not reflect your understanding of the material— the test your natural-born genius and ability to psychologically reason out the ways in which Jae is trying to trick you. The tests detract from the class, which is extremely enjoyable otherwise. Additionally, I would like to suggest that super office hours are conducted a few days before the exam, not just the two nights before it.
- I honestly thought jamming C++ in the last 3 weeks of the semester is really pushing it.
- For some materials, you just wonder why you are learning this. But it's mildly interesting so that makes it bearable.
- Grading doesn't reflect amount learned. Tests are on obscure parts of the subject. Most students try to get where he'll test - and generally it ISN'T on any review material he gives us.
- The most I have ever learned from a single class. A ton of work but totally worth it.
- Often, way too many points are taken off for small mistakes on both labs and exams. The rubrics should be better suited to penalize students more accurately.
- The exams are very tough because you are either right or wrong. Normally this works rather well, but I do end up realizing that it does not necessarily test the extend of your knowledge and ability. Many people I know who have a great understanding of the material have gotten low scores, and others I know who don't necessarily have as in-depth of an understanding of how it works but managed to "get lucky" with the details they remember happen to do well on the tests.
- At the beginning of the course, work seemed manageable. However as time progressed it seemed that the only way to succeed in this course would be to master every single detail of every single fast paced lecture. This is completely unreasonable. Students take 5 classes at a time and as a 3-2 student I am taking the majority of the CS core at once. Jae is an unreasonable man with extremely unreasonable expectations. When students are confused, they are REPRIMANDED. Rude man. I feel sorry for him, it doesn't seem like he has much of a life apart from his computer.
- LOVED THIS CLASS. Jae is great and I love him. He seems like a hardass but he's also funny and if you pay attention you can tell he genuinely cares, unlike most professors I've had. Also, his explanations are crystal clear, and the class is SO organized, it's the most organized class I've ever taken and it honestly amazes me. The TAs send us well thought-out and very helpful emails, Jae always sends us notes, practice exams, and homework hints in a timely manner and clearly prepares for his lectures. The ap hackathon was great, the material and course load is just the right amount of challenging, the exams are very fair, and on and on and on. Programming isn't even really my thing (I'm an applied physics major), and I'm usually a very critical person, but this class was great. My only complaint is that when students ask Jae questions he sometimes seems annoyed or acts like it's a dumb question, which is unfair to students who are honestly trying and who are brave enough to expose their gaps in knowledge.
- I think that the labs are very challenging, interesting, and the TAs are so supportive. However, my main qualm with this class is the exams. I think that the structure is really unfair and doesn't give students the opportunity to actually showcase what they've learned. The exams only ever cover like 1 or 2 topics of the 4 or 5 that we're expected to know, and each problem is 50~ points with little room for partial credit. So it's really easy to get very low grades on the exams, and I don't think that the lab to exam ratio of our grades (30% and 70% respectively) is reasonable given how long and rigorous most of the labs are. All in all, I think you can learn a lot but not get a high grade, especially if your course load for the semester is heavy.
- It is a very appropriately designed course that aims at core concepts that student otherwise will not be exposed to. I appreciate the existence of such course. The following two pieces are more like personal suggestions instead of complaints. 1. At the meantime, other than optional HW's, there are not much material or recourse provided for further studies. A simple list or recommendation of "you may want to look at" websites/books would be helpful. Students may not have time during the semester to go over those materials, but I always find such links helpful when I review the course months later. 2. This is a course that goes deep into C and C++, hence some fundamental issues in Java. However, there are many other popular programming languages, like Python. Some mentions/comparisons to such languages will point a direction for students with interests to go deep in those languages. 3. An early notice of repeated use of labs will be extremely helpful. When doing lab3 - 6, I have no expectation of reusing the material over and over again. That in fact cost me much unnecessary time on review past labs. I mean one can argue that it is student's responsibility to know and review the material, but that subtle change in the mental attitude is important (in a way that I cannot clearly explain....). After all, giving student a head-up is not a hard thing to do. 4. I am absolutely all for AP2. Soooooooo much thing feels unfinished.
- Great course! I feel like I understand C&C++ now even while I struggle through the last HW.
- Assignments are very carefully designed. However, the workload varies significantly between assignments. For example, lab 7 would take 5 times the amount of time to complete compared to lab 9 and lab 10 (well, C is just more cumbersome)... However, the late-day-free number of days to complete the assignments are usually similar. If that conflicts with your other midterms, life would probably be a bit harsh.
- Really interesting, well structured material, but after lab5-ish the turn-around time was too fast given a full course schedule.
- I think some leniency/ understanding with the grading would be appropriate
- This course is known to make students be miserable, stress, cry, and work ridiculously long hours. I don't understand why an institution such as Columbia would make light of such a reputation after many many years and allow it as a requirement without any change. Jae gives assignments with no breaks in between, and the way the lowest grade is dropped is specifically designed to hurt students. If we do even a few points worse on an assignment that's worth more, that ends up hurting us — so ultimately there is a punishment for otherwise performing well. Jae lightheartedly jokes that we obviously won't be relaxing or going anywhere for fall break but instead we will be working (do we have a choice?) on an assignment. I don't vacation on fall break, but again this adds to my misunderstanding of why it's okay to acknowledge how overwhelming and all-encompassing this class is without doing anything about it. Late days are helpful. But when I got sick and had to use 2 late days on an assignment, it left me with only 4 days for the next one — which would be sufficient if AP was my sole responsibility in life (as he makes it out to be). Midterms are way harder than need be and partially on material never covered in class, making half of the learning take place merely by doing practice exams. An average of 50 implies unsuccessful teaching of the material tested. I know this is Columbia; but if students don't understand stuff well enough to answer questions, the professor should adjust his teaching. Exams are marked with disclaimers such as "some of these are especially tricky" and Jae admits that he tells TAs to specifically look to give us as few points as possible. I don't know who assigned Jae to be the person that needs to teach us the life lesson that sometimes people will be working against us, but I am even more unsure of why this institution deems it okay to acknowledge this and still put students through such an emotionally and mentally difficult class. After students perform poorly, Jae announces that this class does not imply our future lack of success in computer science, as it is only a very niche kind of programming. Why have a course that is the third requirement of the CS core be a course that knocks down many students and is a "very specific kind of programming" that we may never have to touch again? I understand the intellectual and educational value of working hard and wrapping our minds around deeper computing concepts such as the ones Jae teaches, I really do. But I do not understand why it's acceptable to continue acknowledging that you're making students miserable and stressed, and yet CONTINUE making students miserable and stressed.
- This is the only course that I think I actually learned something this semester...
- this was a lot of work. it was worth it because I learned a lot, but the amount that the projects are worth does not seem exactly fair according to the amount of time that it takes to complete them.

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- Professor Lee has no compassion and is very unapproachable. He believes that students who get poor grades in his course simply don't try hard enough or don't take his course seriously. My father died last semester (I withdrew from AP in spring 2018 due to those events and took it in fall 2018 instead), and Professor Lee acted very insensitively towards me, and refused to give me accommodations beyond extra late days for assignments (which he was mandated to do only because I have accommodations through the Office of Disability Services). He also did not give an explanation for why he refused to give me accommodations. He consistently dismissed me when I tried to communicate my concerns to him and treated me disrespectfully despite the fact that I always showed the utmost respect for him and his course and remained an engaged, active participant in the course. In this course I learned a lot but the learning experience would have been much better if I had been shown some compassion, or at least respect, and given the opportunity to do my best and demonstrate what I learned. Instead, I had to adhere to Professor Lee's strict standards and attempt to keep up along with handling an obstacle that most students on this campus don't have to face in their four years here. When I went to his office hours to explain my situation to him and ask for help, he told me that his course "isn't like a humanities class where you can just not try and expect to get an A", when the whole premise of me meeting with him was to discuss the fact that I was still struggling in his course despite using all of the available resources and dedicating myself to doing the best work that I could given my circumstances. I suspect that Professor Lee did not want to give me accommodations because of his obsession with fairness, but if there's anyone who understands fairness and unfairness, it's me, and I would have appreciated it if at the very least Professor Lee acknowledged the work that I was putting into his class despite all of the other obstacles I faced. Instead, he was dismissive and insensitive, and did not even give me an explanation for why he took such a hardline stance.
- I think the pacing of the class was a bit unbalanced towards the end. Lab 7 definitely was a time crunch - as it was given the least amount of time to do (without point penalty) out of all the labs the semester - and conflicted with Midterm 2. Part of me wants to say that the pacing of the class would be more manageable if one Lab was removed from the course, but looking back I think all of the labs are integral to the course material and really demonstrate their own indispensable lesson. Perhaps giving less time to the labs in the beginning of the semester so that the more lengthy labs towards the end have a bit more time.
- 1. This class taught me so much about computer science and how to be a programmer, and made me confident about my decision to be a computer science major. 2. Please, please, please change the listserv. I understand that Jae and the TAs must have some rationale for choosing to operate the class this way, but it really proved to be a source of stress and confusion for me. I feel like its implementation is to encourage students to interact with it more, but I feel like there must be some other way to get students to ask similar questions on Piazza (like maybe randomly give someone 0.1% increase if they answer x number of questions or ask x number of questions). 3. Also, I feel that the class should be weighted differently. I found myself unwilling to fix small errors in the code because of how little each lab was worth. It's demoralizing that the hours and hours and hours (and hours) that I've spent working, crying over, learning about, talking with my classmates about, researching, writing, rewriting, testing, and completing all of the labs over the course of the semester are worth the same amount as the final and only a little more than the second midterm, both of which I've devoted only a minuscule fraction of that time to. I felt that Data Structure's grading scheme felt more balanced.
- This class is the golden boy of the CS department here, so if this actually gets read and considered in any way I will be amazed. Objectively, this is a good class. You learn systems programming. Jae sets himself up to above criticism at the start of the semester. He shows student feedback from previous semesters. The first is something along the lines of how Jae is an amazing professor. The second says something along the lines of how Jae is worst professor they've ever had. While this is rather funny, to me this shows that any negative feedback is not going to be taken seriously and will instead just be used as fodder to make next semester's class laugh on day one. As a result, I felt Jae was very arrogant. I have never felt like more of a number in a class than in this class. The course feels like a rigid, cold, uncaring venture into the difficulties of C. The TAs have done their best to counteract this. This is a good class. You do learn important knowledge for being a CS student. I just feel that we don't have to sacrifice the feeling that our school cares even slightly, something very unique to Columbia, in order to get this knowledge.
- I thoroughly enjoyed the course even though I wouldn't describe myself as a systems person. It was so cool to learn about the building blocks of the internet and to write up a server from scratch.
- This was the hardest class I have ever taken and ever expect to take at Columbia, but I can say that the whole class was pretty fair. The workload was not more than any other CS class here, and the weighting of the assignments and exams seems fair. I do wish the exams weren't so deliberately tricky with no partial credit, because they can be really hard to do well on and that really condemns you grade even if you have worked really hard. That said though, I understand why the exams are as hard as they are and graded the way they are - Jae wants us to actually work like programmers would and know enough material to be competent programmers when we are done. So even though I'm not doing great, I don't really have anything about the class to be mad about.

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**Response Rate:** 92/135 (68.15 %)

### 6 - Instructor: Organization and Preparation

Jae Lee

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	3	3.26%					
Good	(3)	11	11.96%					
Very Good	(4)	23	25.00%					
Excellent	(5)	55	59.78%					
				0 25 50 100	Instructor			
Response Rate				Mean		STD		Median
92/135 (68.15%)				4.41		0.83		5.00

### 7 - Instructor: Classroom Delivery

Jae Lee

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	2	2.17%					
Fair	(2)	4	4.35%					
Good	(3)	13	14.13%					
Very Good	(4)	24	26.09%					
Excellent	(5)	49	53.26%					
				0 25 50 100	Instructor			
Response Rate				Mean		STD		Median
92/135 (68.15%)				4.24		1.00		5.00

### 8 - Instructor: Approachability

Jae Lee

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	10	10.87%					
Fair	(2)	12	13.04%					
Good	(3)	21	22.83%					
Very Good	(4)	19	20.65%					
Excellent	(5)	30	32.61%					
				0 25 50 100	Instructor			
Response Rate				Mean		STD		Median
92/135 (68.15%)				3.51		1.35		4.00

### 9 - Instructor: Overall Quality

Jae Lee

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	4	4.35%					
Fair	(2)	6	6.52%					
Good	(3)	15	16.30%					
Very Good	(4)	22	23.91%					
Excellent	(5)	45	48.91%					
				0 25 50 100	Instructor			
Response Rate				Mean		STD		Median
92/135 (68.15%)				4.07		1.15		4.00

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10 - Would you nominate this professor for the SEAS Distinguished Faculty Award?									
Jae Lee									
Response Option	Weight	Frequency	Percent	Percent Responses		Means			
Yes	(1)	45	52.94%	<div></div>		1.47			
No	(2)	40	47.06%	<div></div>					
				0	25	50	100	Instructor	
Response Rate				Mean		STD		Median	
85/135 (62.96%)				1.47		0.50		1.00	

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### 11 - If so, please explain why

Jae Lee

Response Rate	26/135 (19.26%)
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- Singlehandedly the most challenging but rewarding class I've taken at Columbia, all thanks to Jae. He really cares about the students and has made this a truly immersive class
- Though he teaches an incredibly difficult lecture, Jae is really an excellent teacher who sufficiently explains all topics that we cover and really gives work and tests that help build upon your skills and understanding.
- Jae is extremely knowledgeable and very effective at explaining complicated concepts in an easy-to-understand way.
- I really feel like I've learned a lot in this class. Jae is a great teacher
- Very good professor
- He's a boss
- Understanding. Cares about his students. Tries to be funny.
- His lectures are some of the best at Columbia. One doesn't have to take a lot of CS classes to see that Jae is very capable of breaking down very complex concepts to easy chunks for his students, and explain them very well.
- He is easily the clearest instructor I have had in SEAS— both in terms of in-class delivery and in standardization of grading requirements. It is expected that if you work really, really hard, you can do reasonably well.
- He does care about students and his presence definitely made students learn more in a meaningful way that no other professors could have achieved.
- Jae's organization and passion are unparalleled. While the course is incredibly demanding, Jae works harder than all of us and the TAs to make the work worthwhile and engaging. He truly epitomizes the initiation into the CS major.
- I can honestly say that Jae is the best professor I have ever had. Every class I walked away feeling I learned something. Not only that, but Jae is really good at showing you why what you are learning is important. Also, I feel like this class made me appreciate other programming languages better and really helped extend my existing knowledge of computer science.
- This was the best course I've taken at Columbia so far. Jae makes everything extremely fascinating, detail-oriented, and practical. He is also always correct, which makes it easier to correct your own way of probably-incorrect understanding.
- LOVED THIS CLASS. Jae is great and I love him. He's funny and if you pay attention you can tell he genuinely cares, unlike most professors I've had. Also, his explanations are crystal clear, and the class is SO organized, it's the most organized class I've ever taken and it honestly amazes me. He always sends us notes, practice exams, and homework hints in a timely manner and clearly prepares for his lectures. The ap hackathon was great, the material and course load is just the right amount of challenging, the exams are very fair, and on and on and on. Programming isn't even really my thing (I'm an applied physics major), and I'm usually a very critical person, but this class was just about perfect. (Also the class isn't NEARLY as difficult as people make it out to be, as long as you listen in class and put genuine effort into the lab assignments)
- He teaches the concepts so well and in such understanding detail that is beyond what you'd find at any textbook, website, or university. He somehow delivers so much info, so concisely, that it doesn't feel overwhelming. It makes so much sense, about how CS works and C/C++ works. He really cares about his students as well and makes the class feel like a family. He's always there, even beyond midnight for his students! From the office hours to the ListServ. He also always compliments the class every time a lab assignment is due, and really motivates the kids. He knows so much and honestly is the best professor I've had so far. Really learned so much from this class.
- He clearly puts in a lot of effort into the class and is very knowledgeable in the topics he's teaching. In SEAS, I find that some teachers do not put that much thought or effort into the class, but I think Jae really does.
- The course is designed perfectly as an integrated preparation for any kind of future practice in CS. The instructor makes appropriate emphasis on concepts which are hard to grasp. The delivery is clear and understandable. Both low level and high level ideas are taught in an understandable manner.
- Jae is overall a great professor, one of the best at the school as a lecturer and in terms of how he wants to impact his students
- Jae provided a very excellent structured course that allowed me to learn a lot about C and C++. Everything was organized and work was graded in a timely manner.
- Jae is passionate about the material and puts a lot of effort into teaching.
- Jae is a wonderful lecturer (especially when he uses the blackboard and not the projector) and really emphasizes throughout the course why what we're learning is relevant and the importance of deep conceptual understanding. Jae is incredibly approachable (I especially felt this during the Hackathon) and encourages a community to form around the learning experience of the class.
- Jae is clearly a subject matter expert and clearly has taken tremendous time to build an amazing and well thought out and carefully considered course. He doesn't mess around on those exams. Seriously, just look at them!
- Jae is the BEST professor ever!
- There is no question in my mind that Jae is extremely knowledgeable about the content he teaches and takes his work seriously. As a student, you go into a classroom expecting the dynamic to be imbalanced: obviously you are there to learn from those who are experts in their field and have the knowledge to teach you. Despite this, the expectation is not to go into a classroom feeling belittled by a superior who knows more than you, but rather inspired by their knowledge. The former, I would say, most certainly outweighed the latter. If I could sum up my AP experience, it felt like I was figuratively in the movie Whiplash. Jae's approach is one of perpetual expectations without satisfaction and without any self reflection. I think the event that best explains this is our second midterm exam. The grades received by students ranged immensely, slightly peaking around the declared average. Rather than reflecting on this trend, Jae expressed disappointment at some of the answers written on the exams that seemed to show no understanding of the material. While I understand the disappointment of seeing others fail to grasp what you are trying to teach, Jae's reaction to this was entirely externalized rather than internalized. As students there is an obvious responsibility to learn to your greatest capacity, but as a professor there is a duty to realize the faults in your course or teaching approach that may be a factor in students failing to truly grasp the material you present them. Rather than acknowledge any potential faults in the curriculum, Jae assumed a lack of students trying to truly understand course material. Moreover, although he initially expressed a desire for student teacher interactions during lecture through questions, his demeanor and rap for belittlement made it so only a select few people people regularly asked questions during lecture. This creates in my opinion a cyclical and unfortunate situation where students may not feel comfortable with what they don't understand but feel just as uncomfortable trying to reconcile this confusion with Jae as the one answering. Moreover, despite starting and ending the year preaching about the limited effect of AP on your lifetime and urging students to stop stressing because life is long, his logistical approach simply magnified the stress culture of the course. He would regularly release the subsequent lab prior to the current ones due date and this peaked during the second midterm where we had a lab due a few days before and after the exam. While I know this may be an attempt at releasing assignments for others to get started early or have students familiarize themselves with the content early on, the bombardment of assignments reached overwhelming points. The conclusion I have reached through experiencing the start, the climax, and the end of AP is that Jae most certainly cares about knowledge, but does care nearly as much about his students. Within the context of a notoriously rigorous and prestigious school, I found it extremely inappropriate for Jae to make students feel bad about going home for Fall break and insisted that he used Fall break to get ahead on work when he attended Columbia. He went on to encourage students to do the same. This comment was one of extreme ignorance, one that fuels the culture of mental health issues in our academic system. It encourages an academic culture that stigmatizes rest and relaxation and promotes constantly working. I would prefer a professor who cared about the individuals learning their knowledge as much as they care about the material. Jae most definitely is not this type of professor. I thought it a shame that someone with so much apparent knowledge made it so difficult to enjoy his presence and whose belittlement made the desire to learn after misunderstanding material grueling and uninspiring.
- I think Jae is brilliant in his lectures. He really shows off his knowledgeability and I believe this class is one of the most well structured classes I've ever taken. I thoroughly enjoyed going to class every week and found the labs challenging but extremely satisfying. Before AP, I did not have confidence in my abilities as a programmer, but this class has pushed me to be independent and trust my capabilities, and I feel extremely grateful for that. I think all of that credit is due to Jae's teaching ability and expertise.
- Jae is one of the most honest and fair professors I have had at Columbia. He tells you exactly how to do well in the class, presents the material for assignments and exams in lecture, and makes sure that people don't freak out too much about grades. I am not doing well in the class, but I am still completely satisfied with the instruction that Jae has given.

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Elshadai Biru, Da Hua Chen, Dean Deng, Eli Goldin, Nelson Gomez, Nadav Gov-Ari, John Hui, Suhyun Kim, Hollis Lehv, Amanda Liu, Anna Lu, Hans Montero, Benjamin Most, Trang Pham, Aunoy Poddar, Jaya Subrahmanyam

**Response Rate:** 92/135 (68.15 %)

### 12 - Overall Quality

Amanda Liu

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	1	6.67%	<div><div></div></div>	<div>4.13</div>			
Fair	(2)	2	13.33%	<div><div></div></div>				
Good	(3)	1	6.67%	<div><div></div></div>				
Very Good	(4)	1	6.67%	<div><div></div></div>				
Excellent	(5)	10	66.67%	<div><div></div></div>				
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
15/135 (11.11%)				4.13	1.41	5.00		

### 12 - Overall Quality

Anna Lu

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	2	16.67%	<div><div></div></div>	<div>3.75</div>			
Fair	(2)	1	8.33%	<div><div></div></div>				
Good	(3)	1	8.33%	<div><div></div></div>				
Very Good	(4)	2	16.67%	<div><div></div></div>				
Excellent	(5)	6	50.00%	<div><div></div></div>				
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
12/135 (8.89%)				3.75	1.60	4.50		

### 12 - Overall Quality

Aunoy Poddar

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%	<div><div></div></div>	<div>4.47</div>			
Fair	(2)	0	0.00%	<div><div></div></div>				
Good	(3)	2	11.76%	<div><div></div></div>				
Very Good	(4)	5	29.41%	<div><div></div></div>				
Excellent	(5)	10	58.82%	<div><div></div></div>				
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
17/135 (12.59%)				4.47	0.72	5.00		

### 12 - Overall Quality

Benjamin Most

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%	<div><div></div></div>	<div>4.30</div>			
Fair	(2)	1	10.00%	<div><div></div></div>				
Good	(3)	2	20.00%	<div><div></div></div>				
Very Good	(4)	0	0.00%	<div><div></div></div>				
Excellent	(5)	7	70.00%	<div><div></div></div>				
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
10/135 (7.41%)				4.30	1.16	5.00		



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**Response Rate:** 92/135 (68.15 %)

12 - Overall Quality							
Da Hua Chen							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	1	3.45%				
Good	(3)	2	6.90%				
Very Good	(4)	8	27.59%				
Excellent	(5)	18	62.07%				
Response Rate				Mean	STD	Median	
29/135 (21.48%)				4.48	0.78	5.00	

12 - Overall Quality							
Dean Deng							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	1	6.67%				
Very Good	(4)	3	20.00%				
Excellent	(5)	11	73.33%				
Response Rate				Mean	STD	Median	
15/135 (11.11%)				4.67	0.62	5.00	

12 - Overall Quality							
Eli Goldin							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	3	20.00%				
Very Good	(4)	2	13.33%				
Excellent	(5)	10	66.67%				
Response Rate				Mean	STD	Median	
15/135 (11.11%)				4.47	0.83	5.00	

12 - Overall Quality							
Elshadai Biru							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	0	0.00%				
Very Good	(4)	1	5.26%				
Excellent	(5)	18	94.74%				
Response Rate				Mean	STD	Median	
19/135 (14.07%)				4.95	0.23	5.00	

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**Response Rate:** 92/135 (68.15 %)

### 12 - Overall Quality

**Hans Montero**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	1	4.35%					
Good	(3)	3	13.04%					
Very Good	(4)	3	13.04%					
Excellent	(5)	16	69.57%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
23/135 (17.04%)				4.48		0.90		5.00

### 12 - Overall Quality

**Hollis Lehv**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	2	18.18%					
Very Good	(4)	3	27.27%					
Excellent	(5)	6	54.55%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
11/135 (8.15%)				4.36		0.81		5.00

### 12 - Overall Quality

**Jaya Subrahmanyam**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	3	20.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	6.67%					
Very Good	(4)	2	13.33%					
Excellent	(5)	9	60.00%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
15/135 (11.11%)				3.93		1.62		5.00

### 12 - Overall Quality

**John Hui**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	0	0.00%					
Very Good	(4)	5	25.00%					
Excellent	(5)	15	75.00%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
20/135 (14.81%)				4.75		0.44		5.00

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**Response Rate:** 92/135 (68.15 %)

12 - Overall Quality							
Nadav Gov-Ari							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	2	11.76%				
Very Good	(4)	1	5.88%				
Excellent	(5)	14	82.35%				
Response Rate				Mean	STD	Median	
17/135 (12.59%)				4.71	0.69	5.00	

12 - Overall Quality							
Nelson Gomez							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	0	0.00%				
Very Good	(4)	7	25.00%				
Excellent	(5)	21	75.00%				
Response Rate				Mean	STD	Median	
28/135 (20.74%)				4.75	0.44	5.00	

12 - Overall Quality							
Suhyun Kim							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	2	15.38%				
Very Good	(4)	5	38.46%				
Excellent	(5)	6	46.15%				
Response Rate				Mean	STD	Median	
13/135 (9.63%)				4.31	0.75	4.00	

12 - Overall Quality							
Trang Pham							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	1	9.09%				
Very Good	(4)	3	27.27%				
Excellent	(5)	7	63.64%				
Response Rate				Mean	STD	Median	
11/135 (8.15%)				4.55	0.69	5.00	

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**Response Rate:** 92/135 (68.15 %)

### 12 - Overall Quality

Amanda Liu, Anna Lu, Aunoy Poddar, Benjamin Most, Da Hua Chen, Dean Deng, Eli Goldin, Elshadai Biru, Hans Montero, Hollis Lehv, Jaya Subrahmanyam, John Hui, Nadav Gov-Ari, Nelson Gomez, Suhyun Kim, Trang Pham

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	6	2.22%					
Fair	(2)	6	2.22%					
Good	(3)	23	8.52%					
Very Good	(4)	51	18.89%					
Excellent	(5)	184	68.15%					
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
				4.49	0.91	5.00		

### 13 - Knowledgeability

Amanda Liu

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	2	15.38%					
Good	(3)	1	7.69%					
Very Good	(4)	1	7.69%					
Excellent	(5)	9	69.23%					
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
13/135 (9.63%)				4.31	1.18	5.00		

### 13 - Knowledgeability

Anna Lu

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	2	22.22%					
Good	(3)	2	22.22%					
Very Good	(4)	1	11.11%					
Excellent	(5)	4	44.44%					
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
9/135 (6.67%)				3.78	1.30	4.00		

### 13 - Knowledgeability

Aunoy Poddar

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	2	13.33%					
Very Good	(4)	3	20.00%					
Excellent	(5)	10	66.67%					
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
15/135 (11.11%)				4.53	0.74	5.00		

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**Response Rate:** 92/135 (68.15 %)

### 13 - Knowledgeability

#### Benjamin Most

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	12.50%					
Very Good	(4)	1	12.50%					
Excellent	(5)	6	75.00%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
8/135 (5.93%)				4.63		0.74		5.00

### 13 - Knowledgeability

#### Da Hua Chen

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	3	11.11%					
Very Good	(4)	6	22.22%					
Excellent	(5)	18	66.67%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
27/135 (20.00%)				4.56		0.70		5.00

### 13 - Knowledgeability

#### Dean Deng

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	7.14%					
Very Good	(4)	3	21.43%					
Excellent	(5)	10	71.43%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
14/135 (10.37%)				4.64		0.63		5.00

### 13 - Knowledgeability

#### Eli Goldin

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	2	15.38%					
Very Good	(4)	2	15.38%					
Excellent	(5)	9	69.23%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
13/135 (9.63%)				4.54		0.78		5.00

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**Response Rate:** 92/135 (68.15 %)

### 13 - Knowledgeability

Elshadai Biru

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	0	0.00%					
Very Good	(4)	3	18.75%					
Excellent	(5)	13	81.25%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
16/135 (11.85%)				4.81		0.40		5.00

### 13 - Knowledgeability

Hans Montero

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	4	18.18%					
Very Good	(4)	5	22.73%					
Excellent	(5)	13	59.09%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
22/135 (16.30%)				4.41		0.80		5.00

### 13 - Knowledgeability

Hollis Lehv

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	12.50%					
Very Good	(4)	3	37.50%					
Excellent	(5)	4	50.00%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
8/135 (5.93%)				4.38		0.74		4.50

### 13 - Knowledgeability

Jaya Subrahmanyam

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	3	23.08%					
Fair	(2)	0	0.00%					
Good	(3)	1	7.69%					
Very Good	(4)	3	23.08%					
Excellent	(5)	6	46.15%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
13/135 (9.63%)				3.69		1.65		4.00

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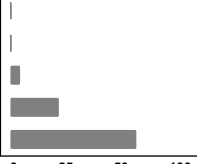
**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)

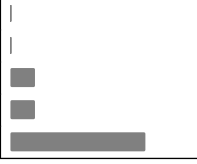
### 13 - Knowledgeability

John Hui

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%			4.63		
Fair	(2)	0	0.00%					
Good	(3)	1	5.26%					
Very Good	(4)	5	26.32%					
Excellent	(5)	13	68.42%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
19/135 (14.07%)				4.63		0.60		5.00


### 13 - Knowledgeability

Nadav Gov-Ari

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%			4.60		
Fair	(2)	0	0.00%					
Good	(3)	2	13.33%					
Very Good	(4)	2	13.33%					
Excellent	(5)	11	73.33%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
15/135 (11.11%)				4.60		0.74		5.00

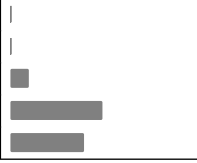
### 13 - Knowledgeability

Nelson Gomez

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%			4.78		
Fair	(2)	0	0.00%					
Good	(3)	0	0.00%					
Very Good	(4)	6	22.22%					
Excellent	(5)	21	77.78%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
27/135 (20.00%)				4.78		0.42		5.00

### 13 - Knowledgeability

Suhyun Kim

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%			4.30		
Fair	(2)	0	0.00%					
Good	(3)	1	10.00%					
Very Good	(4)	5	50.00%					
Excellent	(5)	4	40.00%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
10/135 (7.41%)				4.30		0.67		4.00

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**Response Rate:** 92/135 (68.15 %)


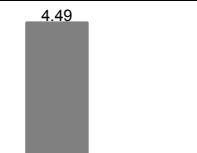
### 13 - Knowledgeability

Trang Pham

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Poor	(1)	0	0.00%		<div>4.50</div> <div>TA</div> <div></div> <div></div>				
Fair	(2)	0	0.00%						
Good	(3)	1	10.00%						
Very Good	(4)	3	30.00%						
Excellent	(5)	6	60.00%						
				02550100					
Response Rate				Mean		STD		Median	
10/135 (7.41%)				4.50		0.71		5.00	



### 13 - Knowledgeability

Amanda Liu, Anna Lu, Aunoy Poddar, Benjamin Most, Da Hua Chen, Dean Deng, Eli Goldin, Elshadai Biru, Hans Montero, Hollis Lehv, Jaya Subrahmanyam, John Hui, Nadav Gov-Ari, Nelson Gomez, Suhyun Kim, Trang Pham

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	3	1.26%					
Fair	(2)	4	1.67%					
Good	(3)	23	9.62%					
Very Good	(4)	52	21.76%					
Excellent	(5)	157	65.69%					
				02550100	TA			
Response Rate				Mean		STD		Median
				4.49		0.83		5.00

### 14 - Approachability

Amanda Liu

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	1	9.09%					
Fair	(2)	0	0.00%					
Good	(3)	2	18.18%					
Very Good	(4)	1	9.09%					
Excellent	(5)	7	63.64%					
				02550100	TA			
Response Rate				Mean		STD		Median
11/135 (8.15%)				4.18		1.33		5.00

### 14 - Approachability

Anna Lu

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	2	25.00%	<div><div></div></div>	<div><div></div><div>3.25</div></div>			
Fair	(2)	0	0.00%	<div><div></div></div>				
Good	(3)	2	25.00%	<div><div></div></div>				
Very Good	(4)	2	25.00%	<div><div></div></div>				
Excellent	(5)	2	25.00%	<div><div></div></div>				
				02550100	TA			
Response Rate				Mean		STD		Median
8/135 (5.93%)				3.25		1.58		3.50



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**Response Rate:** 92/135 (68.15 %)

### 14 - Approachability

**Aunoy Poddar**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	7.69%					
Very Good	(4)	4	30.77%					
Excellent	(5)	8	61.54%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
13/135 (9.63%)				4.54		0.66		5.00

### 14 - Approachability

**Benjamin Most**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	16.67%					
Very Good	(4)	1	16.67%					
Excellent	(5)	4	66.67%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
6/135 (4.44%)				4.50		0.84		5.00

### 14 - Approachability

**Da Hua Chen**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	5	20.00%					
Very Good	(4)	5	20.00%					
Excellent	(5)	15	60.00%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
25/135 (18.52%)				4.40		0.82		5.00

### 14 - Approachability

**Dean Deng**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	8.33%					
Very Good	(4)	3	25.00%					
Excellent	(5)	8	66.67%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
12/135 (8.89%)				4.58		0.67		5.00

# Columbia University: School of Engineering

## Fall 2018 SEAS Final Evaluation

**Course:** COMSW3157\_001\_2018\_3 - ADVANCED PROGRAMMING


**Instructor:** Jae Lee \*

Elshadai Biru, Da Hua Chen, Dean Deng, Eli Goldin, Nelson Gomez, Nadav Gov-Ari, John Hui, Suhyun Kim, Hollis Lehv, Amanda Liu, Anna Lu, Hans Montero, Benjamin Most, Trang Pham, Aunoy Poddar, Jaya Subrahmanyam

**Response Rate:** 92/135 (68.15 %)



### 14 - Approachability

**Eli Goldin**

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Poor	(1)	0	0.00%		<div>4.55</div> <div>TA</div> <div></div> <div></div>				
Fair	(2)	0	0.00%						
Good	(3)	1	9.09%						
Very Good	(4)	3	27.27%						
Excellent	(5)	7	63.64%						
				02550100					
Response Rate				Mean		STD		Median	
11/135 (8.15%)				4.55		0.69		5.00	

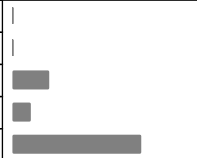
### 14 - Approachability

**Elshadai Biru**

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Poor	(1)	0	0.00%		4.81		TA		
Fair	(2)	0	0.00%						
Good	(3)	1	6.25%						
Very Good	(4)	1	6.25%						
Excellent	(5)	14	87.50%						
				02550100					
Response Rate				Mean		STD		Median	
16/135 (11.85%)				4.81		0.54		5.00	

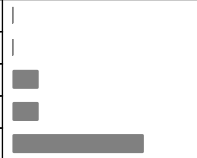
### 14 - Approachability

**Hans Montero**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%		<div>4.50</div>			
Fair	(2)	0	0.00%					
Good	(3)	4	20.00%					
Very Good	(4)	2	10.00%					
Excellent	(5)	14	70.00%					
				02550100	TA			
Response Rate				Mean		STD		Median
20/135 (14.81%)				4.50		0.83		5.00

### 14 - Approachability

**Hollis Lehv**

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Poor	(1)	0	0.00%		<div>4.57</div> <div>TA</div> <div></div> <div></div>				
Fair	(2)	0	0.00%						
Good	(3)	1	14.29%						
Very Good	(4)	1	14.29%						
Excellent	(5)	5	71.43%						
				02550100					
Response Rate				Mean		STD		Median	
7/135 (5.19%)				4.57		0.79		5.00	

# Columbia University: School of Engineering

## Fall 2018 SEAS Final Evaluation

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**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)



### 14 - Approachability

Jaya Subrahmanyam

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	1	9.09%					
Fair	(2)	1	9.09%					
Good	(3)	2	18.18%					
Very Good	(4)	2	18.18%					
Excellent	(5)	5	45.45%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
11/135 (8.15%)				3.82		1.40		4.00



### 14 - Approachability

John Hui

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	5.88%					
Very Good	(4)	3	17.65%					
Excellent	(5)	13	76.47%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
17/135 (12.59%)				4.71		0.59		5.00

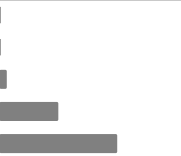

### 14 - Approachability

Nadav Gov-Ari

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	2	15.38%					
Very Good	(4)	1	7.69%					
Excellent	(5)	10	76.92%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
13/135 (9.63%)				4.62		0.77		5.00

### 14 - Approachability

Nelson Gomez

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	4.00%					
Very Good	(4)	8	32.00%					
Excellent	(5)	16	64.00%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
25/135 (18.52%)				4.60		0.58		5.00

# Columbia University: School of Engineering

## Fall 2018 SEAS Final Evaluation

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**Instructor:** Jae Lee \*

Elshadai Biru, Da Hua Chen, Dean Deng, Eli Goldin, Nelson Gomez, Nadav Gov-Ari, John Hui, Suhyun Kim, Hollis Lehv, Amanda Liu, Anna Lu, Hans Montero, Benjamin Most, Trang Pham, Aunoy Poddar, Jaya Subrahmanyam

**Response Rate:** 92/135 (68.15 %)

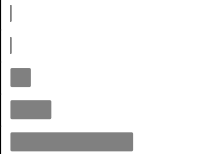
### 14 - Approachability

**Suhyun Kim**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%			4.40		
Fair	(2)	0	0.00%					
Good	(3)	2	20.00%	■				
Very Good	(4)	2	20.00%	■				
Excellent	(5)	6	60.00%	■				
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
10/135 (7.41%)				4.40		0.84		5.00

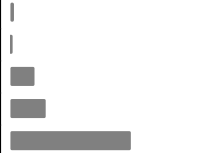
### 14 - Approachability

**Trang Pham**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%			4.56		
Fair	(2)	0	0.00%					
Good	(3)	1	11.11%	■				
Very Good	(4)	2	22.22%	■				
Excellent	(5)	6	66.67%	■				
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
9/135 (6.67%)				4.56		0.73		5.00


### 14 - Approachability

**Amanda Liu, Anna Lu, Aunoy Poddar, Benjamin Most, Da Hua Chen, Dean Deng, Eli Goldin, Elshadai Biru, Hans Montero, Hollis Lehv, Jaya Subrahmanyam, John Hui, Nadav Gov-Ari, Nelson Gomez, Suhyun Kim, Trang Pham**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	4	1.87%			4.46		
Fair	(2)	1	0.47%					
Good	(3)	28	13.08%	■				
Very Good	(4)	41	19.16%	■				
Excellent	(5)	140	65.42%	■				
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
				4.46		0.88		5.00

### 15 - Availability

**Amanda Liu**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%			4.45		
Fair	(2)	0	0.00%					
Good	(3)	2	18.18%	■				
Very Good	(4)	2	18.18%	■				
Excellent	(5)	7	63.64%	■				
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
11/135 (8.15%)				4.45		0.82		5.00

# Columbia University: School of Engineering



## Fall 2018 SEAS Final Evaluation



**Course:** COMSW3157\_001\_2018\_3 - ADVANCED PROGRAMMING



**Instructor:** Jae Lee \*

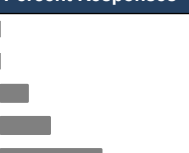

Elshadai Biru, Da Hua Chen, Dean Deng, Eli Goldin, Nelson Gomez, Nadav Gov-Ari, John Hui, Suhyun Kim, Hollis Lehv, Amanda Liu, Anna Lu, Hans Montero, Benjamin Most, Trang Pham, Aunoy Poddar, Jaya Subrahmanyam

**Response Rate:** 92/135 (68.15 %)

15 - Availability							
Anna Lu							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	2	25.00%				
Fair	(2)	0	0.00%				
Good	(3)	2	25.00%				
Very Good	(4)	2	25.00%				
Excellent	(5)	2	25.00%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
8/135 (5.93%)				3.25	1.58	3.50	

15 - Availability							
Aunoy Poddar							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	3	23.08%				
Very Good	(4)	2	15.38%				
Excellent	(5)	8	61.54%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
13/135 (9.63%)				4.38	0.87	5.00	

15 - Availability							
Benjamin Most							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	1	16.67%				
Very Good	(4)	1	16.67%				
Excellent	(5)	4	66.67%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
6/135 (4.44%)				4.50	0.84	5.00	

15 - Availability							
Da Hua Chen							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	4	16.00%				
Very Good	(4)	7	28.00%				
Excellent	(5)	14	56.00%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
25/135 (18.52%)				4.40	0.76	5.00	

# Columbia University: School of Engineering

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**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)

15 - Availability							
Dean Deng							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	1	8.33%				
Very Good	(4)	4	33.33%				
Excellent	(5)	7	58.33%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
12/135 (8.89%)				4.50	0.67	5.00	

15 - Availability							
Eli Goldin							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	2	18.18%				
Very Good	(4)	2	18.18%				
Excellent	(5)	7	63.64%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
11/135 (8.15%)				4.45	0.82	5.00	

15 - Availability							
Elshadai Biru							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	3	18.75%				
Very Good	(4)	3	18.75%				
Excellent	(5)	10	62.50%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
16/135 (11.85%)				4.44	0.81	5.00	

15 - Availability							
Hans Montero							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	3	15.00%				
Very Good	(4)	3	15.00%				
Excellent	(5)	14	70.00%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
20/135 (14.81%)				4.55	0.76	5.00	

# Columbia University: School of Engineering

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**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)

15 - Availability							
Hollis Lehv							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	2	28.57%				
Very Good	(4)	3	42.86%				
Excellent	(5)	2	28.57%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
7/135 (5.19%)				4.00	0.82	4.00	

15 - Availability							
Jaya Subrahmanyam							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	1	9.09%				
Fair	(2)	1	9.09%				
Good	(3)	2	18.18%				
Very Good	(4)	2	18.18%				
Excellent	(5)	5	45.45%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
11/135 (8.15%)				3.82	1.40	4.00	

15 - Availability							
John Hui							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	1	5.88%				
Very Good	(4)	6	35.29%				
Excellent	(5)	10	58.82%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
17/135 (12.59%)				4.53	0.62	5.00	

15 - Availability							
Nadav Gov-Ari							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	2	15.38%				
Very Good	(4)	1	7.69%				
Excellent	(5)	10	76.92%				
				0 25 50 100	TA		
Response Rate				Mean	STD	Median	
13/135 (9.63%)				4.62	0.77	5.00	

# Columbia University: School of Engineering

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**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)

15 - Availability							
Nelson Gomez							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	1	4.00%				
Very Good	(4)	7	28.00%				
Excellent	(5)	17	68.00%				
Response Rate				Mean	STD	Median	
25/135 (18.52%)				4.64	0.57	5.00	

15 - Availability							
Suhyun Kim							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	2	20.00%				
Very Good	(4)	3	30.00%				
Excellent	(5)	5	50.00%				
Response Rate				Mean	STD	Median	
10/135 (7.41%)				4.30	0.82	4.50	

15 - Availability							
Trang Pham							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	0	0.00%				
Fair	(2)	0	0.00%				
Good	(3)	2	22.22%				
Very Good	(4)	2	22.22%				
Excellent	(5)	5	55.56%				
Response Rate				Mean	STD	Median	
9/135 (6.67%)				4.33	0.87	5.00	

15 - Availability							
Amanda Liu, Anna Lu, Aunoy Poddar, Benjamin Most, Da Hua Chen, Dean Deng, Eli Goldin, Elshadai Biru, Hans Montero, Hollis Lehv, Jaya Subrahmanyam, John Hui, Nadav Gov-Ari, Nelson Gomez, Suhyun Kim, Trang Pham							
Response Option	Weight	Frequency	Percent	Percent Responses	Means		
Poor	(1)	3	1.40%				
Fair	(2)	1	0.47%				
Good	(3)	33	15.42%				
Very Good	(4)	50	23.36%				
Excellent	(5)	127	59.35%				
Response Rate				Mean	STD	Median	
				4.39	0.86	5.00	



# Columbia University: School of Engineering

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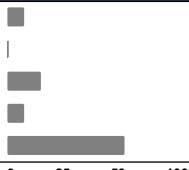
**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)

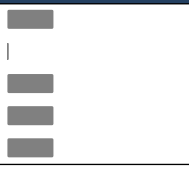
### 16 - Communication

**Amanda Liu**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	1	9.09%	■				
Fair	(2)	0	0.00%					
Good	(3)	2	18.18%	■				
Very Good	(4)	1	9.09%	■				
Excellent	(5)	7	63.64%	■				
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
11/135 (8.15%)				4.18		1.33		5.00

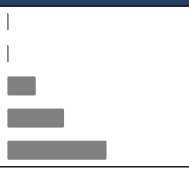
### 16 - Communication

**Anna Lu**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	2	25.00%	■				
Fair	(2)	0	0.00%					
Good	(3)	2	25.00%	■				
Very Good	(4)	2	25.00%	■				
Excellent	(5)	2	25.00%	■				
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
8/135 (5.93%)				3.25		1.58		3.50

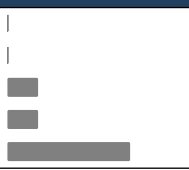
### 16 - Communication

**Aunoy Poddar**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	2	15.38%	■				
Very Good	(4)	4	30.77%	■				
Excellent	(5)	7	53.85%	■				
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
13/135 (9.63%)				4.38		0.77		5.00

### 16 - Communication

**Benjamin Most**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	16.67%	■				
Very Good	(4)	1	16.67%	■				
Excellent	(5)	4	66.67%	■				
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
6/135 (4.44%)				4.50		0.84		5.00

# Columbia University: School of Engineering

## Fall 2018 SEAS Final Evaluation

**Course:** COMSW3157\_001\_2018\_3 - ADVANCED PROGRAMMING


**Instructor:** Jae Lee \*

Elshadai Biru, Da Hua Chen, Dean Deng, Eli Goldin, Nelson Gomez, Nadav Gov-Ari, John Hui, Suhyun Kim, Hollis Lehv, Amanda Liu, Anna Lu, Hans Montero, Benjamin Most, Trang Pham, Aunoy Poddar, Jaya Subrahmanyam

**Response Rate:** 92/135 (68.15 %)


### 16 - Communication

**Da Hua Chen**

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	0	0.00%		<div>4.40</div>						
Fair	(2)	0	0.00%								
Good	(3)	4	16.00%								
Very Good	(4)	7	28.00%								
Excellent	(5)	14	56.00%								
				0	25	50	100	TA			
Response Rate				Mean		STD		Median			
25/135 (18.52%)				4.40		0.76		5.00			


### 16 - Communication

**Dean Deng**

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	0	0.00%		4.64	TA					
Fair	(2)	0	0.00%								
Good	(3)	1	9.09%								
Very Good	(4)	2	18.18%								
Excellent	(5)	8	72.73%								
				02550100							
Response Rate				Mean		STD			Median		
11/135 (8.15%)				4.64		0.67		5.00			

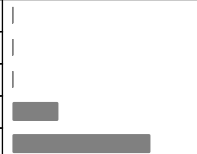


### 16 - Communication

**Eli Goldin**

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	0	0.00%		4.55	TA					
Fair	(2)	0	0.00%								
Good	(3)	1	9.09%								
Very Good	(4)	3	27.27%								
Excellent	(5)	7	63.64%								
				02550100							
Response Rate				Mean		STD			Median		
11/135 (8.15%)				4.55		0.69		5.00			

### 16 - Communication

**Elshadai Biru**

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Poor	(1)	0	0.00%								
Fair	(2)	0	0.00%								
Good	(3)	0	0.00%								
Very Good	(4)	4	25.00%								
Excellent	(5)	12	75.00%								
				0	25	50	100	TA			
Response Rate				Mean			STD		Median		
16/135 (11.85%)				4.75			0.45		5.00		

# Columbia University: School of Engineering

## Fall 2018 SEAS Final Evaluation

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**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)

### 16 - Communication

Hans Montero

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	2	10.00%					
Very Good	(4)	3	15.00%					
Excellent	(5)	15	75.00%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
20/135 (14.81%)				4.65		0.67		5.00

### 16 - Communication

Hollis Lehv

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	1	14.29%					
Very Good	(4)	2	28.57%					
Excellent	(5)	4	57.14%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
7/135 (5.19%)				4.43		0.79		5.00

### 16 - Communication

Jaya Subrahmanyam

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	2	18.18%					
Fair	(2)	1	9.09%					
Good	(3)	1	9.09%					
Very Good	(4)	1	9.09%					
Excellent	(5)	6	54.55%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
11/135 (8.15%)				3.73		1.68		5.00

### 16 - Communication

John Hui

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%					
Fair	(2)	0	0.00%					
Good	(3)	2	11.76%					
Very Good	(4)	4	23.53%					
Excellent	(5)	11	64.71%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
17/135 (12.59%)				4.53		0.72		5.00

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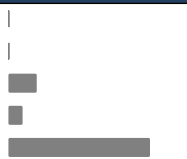
**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)

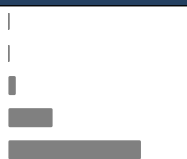
### 16 - Communication

**Nadav Gov-Ari**

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Poor	(1)	0	0.00%		<div>4.62</div> <div>TA</div> <div></div> <div></div>				
Fair	(2)	0	0.00%						
Good	(3)	2	15.38%						
Very Good	(4)	1	7.69%						
Excellent	(5)	10	76.92%						
				02550100					
Response Rate				Mean		STD		Median	
13/135 (9.63%)				4.62		0.77		5.00	

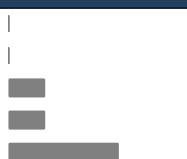
### 16 - Communication

**Nelson Gomez**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%		<div>4.68</div>			
Fair	(2)	0	0.00%					
Good	(3)	1	4.00%					
Very Good	(4)	6	24.00%					
Excellent	(5)	18	72.00%					
				02550100	TA			
Response Rate				Mean		STD		Median
25/135 (18.52%)				4.68		0.56		5.00

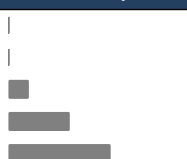
### 16 - Communication

**Suhyun Kim**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%		<div>4.40</div>			
Fair	(2)	0	0.00%					
Good	(3)	2	20.00%					
Very Good	(4)	2	20.00%					
Excellent	(5)	6	60.00%					
				02550100	TA			
Response Rate				Mean		STD		Median
10/135 (7.41%)				4.40		0.84		5.00

### 16 - Communication

**Trang Pham**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	0	0.00%		<div>4.44</div>			
Fair	(2)	0	0.00%					
Good	(3)	1	11.11%					
Very Good	(4)	3	33.33%					
Excellent	(5)	5	55.56%					
				02550100	TA			
Response Rate				Mean		STD		Median
9/135 (6.67%)				4.44		0.73		5.00

# Columbia University: School of Engineering

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**Response Rate:** 92/135 (68.15 %)

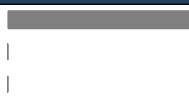

### 16 - Communication

Amanda Liu, Anna Lu, Aunoy Poddar, Benjamin Most, Da Hua Chen, Dean Deng, Eli Goldin, Elshadai Biru, Hans Montero, Hollis Lehv, Jaya Subrahmanyam, John Hui, Nadav Gov-Ari, Nelson Gomez, Suhyun Kim, Trang Pham

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Poor	(1)	5	2.35%					
Fair	(2)	1	0.47%					
Good	(3)	25	11.74%					
Very Good	(4)	46	21.60%					
Excellent	(5)	136	63.85%					
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
				4.44	0.89	5.00		



### 17 - Does this TA communicate effectively in English?

Amanda Liu

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	11	100.00%					
No	(2)	0	0.00%					
N/A	(3)	0	0.00%					
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
11/135 (8.15%)				1.00	0.00	1.00		



### 17 - Does this TA communicate effectively in English?

Anna Lu

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	7	87.50%					
No	(2)	0	0.00%					
N/A	(3)	1	12.50%					
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
8/135 (5.93%)				1.25	0.71	1.00		

### 17 - Does this TA communicate effectively in English?

Aunoy Poddar

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	13	100.00%					
No	(2)	0	0.00%					
N/A	(3)	0	0.00%					
				0 25 50 100	TA			
Response Rate				Mean	STD	Median		
13/135 (9.63%)				1.00	0.00	1.00		

# Columbia University: School of Engineering

## Fall 2018 SEAS Final Evaluation

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**Response Rate:** 92/135 (68.15 %)



### 17 - Does this TA communicate effectively in English?

**Benjamin Most**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	5	83.33%					
No	(2)	0	0.00%					
N/A	(3)	1	16.67%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
6/135 (4.44%)				1.33		0.82		1.00




### 17 - Does this TA communicate effectively in English?

**Da Hua Chen**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	24	96.00%					
No	(2)	0	0.00%					
N/A	(3)	1	4.00%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
25/135 (18.52%)				1.08		0.40		1.00



### 17 - Does this TA communicate effectively in English?

**Dean Deng**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	11	91.67%					
No	(2)	0	0.00%					
N/A	(3)	1	8.33%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
12/135 (8.89%)				1.17		0.58		1.00



### 17 - Does this TA communicate effectively in English?

**Eli Goldin**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	11	100.00%					
No	(2)	0	0.00%					
N/A	(3)	0	0.00%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
11/135 (8.15%)				1.00		0.00		1.00

### 17 - Does this TA communicate effectively in English?

**Elshadai Biru**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	16	100.00%					
No	(2)	0	0.00%					
N/A	(3)	0	0.00%					
				0 25 50 100	TA			
<b>Response Rate</b>				<b>Mean</b>		<b>STD</b>		<b>Median</b>
16/135 (11.85%)				1.00		0.00		1.00

# Columbia University: School of Engineering

## Fall 2018 SEAS Final Evaluation

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**Response Rate:** 92/135 (68.15 %)



### 17 - Does this TA communicate effectively in English?

Hans Montero

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	19	95.00%					
No	(2)	0	0.00%					
N/A	(3)	1	5.00%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
20/135 (14.81%)				1.10		0.45		1.00



### 17 - Does this TA communicate effectively in English?

Hollis Lehv

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	7	100.00%					
No	(2)	0	0.00%					
N/A	(3)	0	0.00%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
7/135 (5.19%)				1.00		0.00		1.00



### 17 - Does this TA communicate effectively in English?

Jaya Subrahmanyam

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	9	90.00%					
No	(2)	0	0.00%					
N/A	(3)	1	10.00%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
10/135 (7.41%)				1.20		0.63		1.00



### 17 - Does this TA communicate effectively in English?

John Hui

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	16	94.12%					
No	(2)	0	0.00%					
N/A	(3)	1	5.88%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
17/135 (12.59%)				1.12		0.49		1.00

### 17 - Does this TA communicate effectively in English?

Nadav Gov-Ari

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	12	92.31%					
No	(2)	0	0.00%					
N/A	(3)	1	7.69%					
				0 25 50 100	TA			
Response Rate				Mean		STD		Median
13/135 (9.63%)				1.15		0.55		1.00

# Columbia University: School of Engineering

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**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)

### 17 - Does this TA communicate effectively in English?

**Nelson Gomez**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	25	100.00%	<div><div></div></div>	<div><div></div></div> <div>1.00</div>			
No	(2)	0	0.00%					
N/A	(3)	0	0.00%					
				02550100	TA			
Response Rate				Mean		STD		Median
25/135 (18.52%)				1.00		0.00		1.00

### 17 - Does this TA communicate effectively in English?

**Suhyun Kim**

Response Option	Weight	Frequency	Percent	Percent Responses	Means				
Yes	(1)	10	100.00%	<div><div></div></div>	<div><div></div></div> <div>1.00</div>				
No	(2)	0	0.00%						
N/A	(3)	0	0.00%						
				02550100	TA				
Response Rate				Mean		STD		Median	
10/135 (7.41%)				1.00		0.00		1.00	

### 17 - Does this TA communicate effectively in English?

**Trang Pham**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	9	100.00%	<div><div></div></div>	<div><div></div></div> <div>1.00</div>			
No	(2)	0	0.00%					
N/A	(3)	0	0.00%					
				02550100	TA			
Response Rate				Mean		STD		Median
9/135 (6.67%)				1.00		0.00		1.00

### 17 - Does this TA communicate effectively in English?

**Amanda Liu, Anna Lu, Aunoy Poddar, Benjamin Most, Da Hua Chen, Dean Deng, Eli Goldin, Elshadai Biru, Hans Montero, Hollis Lehv, Jaya Subrahmanyam, John Hui, Nadav Gov-Ari, Nelson Gomez, Suhyun Kim, Trang Pham**

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Yes	(1)	205	96.24%	<div><div></div></div>	<div><div></div></div> <div>1.08</div>			
No	(2)	0	0.00%	<div><div></div></div>				
N/A	(3)	8	3.76%	<div><div></div></div>				
				02550100	TA			
Response Rate				Mean		STD		Median
				1.08		0.38		1.00

### 18 - Comments

**Amanda Liu**

**Response Rate** 1/135 (0.74%)

• Amanda would often tell me information about labs that actually was incorrect and that I would later have to change. It also seemed as though she did not feel very passionate about helping students and had no qualms about leaving her office hours with many students still unsure how to fix their errors, which of course she is not obligated to fix or stay late for, but she did not give adequate information on how to proceed beyond her own attempts at fixing them.



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**Response Rate:** 92/135 (68.15 %)

### 18 - Comments

#### Anna Lu

**Response Rate** 3/135 (2.22%)

- Anna was the only TA that I really interacted with. I was very confused when she said in the very first Office Hours of the semester that, she was not allowed to look at my code to help me fix my Makefile error (she also didn't know why for some reason, I was getting .ch files). Because of this experience, I ended up not going to Office Hours for the duration of the semester.
- Nice! Great!
- Anna is good at drawing diagrams to explain concepts but oftentimes would go to fast and expect people to understand her explanations of a problem or concept the first time. She was not very approachable and oftentimes when I would go to her office hours she would be on her laptop and not show any interest in helping me, and even while helping me she would continue to go back to her own work on her laptop and sit silently. She was very dismissive and oftentimes wouldn't understand why someone wasn't understanding a certain concept, even if it was complex or confusing. Overall she was not very approachable and expected people to understand her diagrams even when they needed some explanation.

### 18 - Comments

#### Aunoy Poddar

**Response Rate** 5/135 (3.7%)

- Appreciate his good humor in teaching and helping
- Really dedicate to his work. Willing to go overtime to help out. Thanks!!
- Aunoy is amazing and his knowledge of the AP material always amazes me. He is very funny but also respects his job and tries to do it really well.
- He's very helpful and knowledgeable on subjects.
- He is very approachable and extremely good at explaining all concepts involved in class.

### 18 - Comments

#### Benjamin Most

**Response Rate** 1/135 (0.74%)

- Great! Nice!

### 18 - Comments

#### Da Hua Chen

**Response Rate** 2/135 (1.48%)

- Was very willing to help and often times stayed later to make sure that he got to every student.
- Da truly cares about helping the students in the class, one of the most helpful TAs I've met!

### 18 - Comments

#### Dean Deng

**Response Rate** 1/135 (0.74%)

- Dean is amazing! He is super attentive and takes the time to illustrate examples and explain concepts when you show him your broken code - so that you don't only understand how to fix it, but you understand how to not do it again.

### 18 - Comments

#### Eli Goldin

**Response Rate** 0/135 (0%)

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**Response Rate:** 92/135 (68.15 %)

### 18 - Comments

#### Elshadai Biru

**Response Rate** 5/135 (3.7%)

- El is amazing and very knowledgeable. She is very friendly and approachable. She made an effort to memorize everyone's names and motivated everyone to study really well.
- Extremely approachable and knowledgeable. Goes out of her way to help out other students.
- It was really great that the TAs sent out emails to students they were "assigned" to; I personally didn't need the resource, but I appreciated it very much and makes this class stand out in that Jae and the TAs genuinely want us to succeed.
- Really a smart, nice, and knowledgeable TA.
- El is a great TA and is very knowledgeable and approachable. She was one of my assigned TAs and she took the time to meet with me outside of her normal office hours to discuss strategies on how to do better on the midterms and course overall.

### 18 - Comments

#### Hans Montero

**Response Rate** 5/135 (3.7%)

- Really interested in the material and very approachable. Wants to help everyone in any way he can and is sincere.
- He's very helpful and knowledgeable on subjects.
- He is very approachable and extremely good at explaining all concepts involved in class.
- Hans is extremely knowledgeable in the subject matter and can explain the material and project objectives very clearly. I regularly attended his office hours and never left unsatisfied. He specifically always stayed (usually even later) until everyone was helped. Could not have done this class without him.
- Hans is awesome! He's super approachable and does the perfect level of encouraging and forcing you to figure it out on your own.

### 18 - Comments

#### Hollis Lehv

**Response Rate** 1/135 (0.74%)

- Willing to follow up with personal emails after OH and wants to make sure that everyone has their questions answered

### 18 - Comments

#### Jaya Subrahmanyam

**Response Rate** 3/135 (2.22%)

- Jaya is the worst TA possible. Every time she has to hold a review session, she does it with a Teaching Assistant that actually knows the subject well (John Hui). When people asked her questions, she just replied with "I don't know." and then the other TA had to explain. She literally knows nothing and only answered really basic questions in the listserv. I have no clue whatsoever why Jae agreed to make her a TA.
- I found Jaya to be much weaker than other TA's in terms of how much she knows on the subjects; during her review session with John, it was almost always John who was answering questions and going over the subjects. Moreover, when I went to Jaya's office hours and asked her a question, she merely responded "I can't just answer that"; whereas, I find that other TA's, when they think answering a question gives too much of the lab's answer away, usually respond with a more conceptual question that you should think about that leads you into the correct path. So, I thought that she wasn't as helpful as the other TA's either.
- Jaya was assigned to be one of the TAs for me and several other students. I emailed her several times with questions about the projects, and she always replied with a thorough, timely, and thoughtful response. I really appreciated the time she put in to assist me with my questions this semester.

### 18 - Comments

#### John Hui

**Response Rate** 4/135 (2.96%)

- Super happy to help out in any way and makes sure that everyone present at office hours walks out happy and understanding the mistakes.
- He's very knowledgeable on the subjects and he's very approachable; he's great at asking questions that lead you to the right answer.
- Went above and beyond to deliver in-depth answers to questions in a clear concise manner.
- John is a great communicator and an effective and dedicated TA. He explained concepts clearly and with great humor, and was an inspiration to me with his knowledge about computer science and passion for the field. He often stayed well past the end of his office hours to help students fix errors, and was very responsive over email.

# Columbia University: School of Engineering

## Fall 2018 SEAS Final Evaluation

**Course:** COMSW3157\_001\_2018\_3 - ADVANCED PROGRAMMING

**Instructor:** Jae Lee \*

Elshadai Biru, Da Hua Chen, Dean Deng, Eli Goldin, Nelson Gomez, Nadav Gov-Ari, John Hui, Suhyun Kim, Hollis Lehv, Amanda Liu, Anna Lu, Hans Montero, Benjamin Most, Trang Pham, Aunoy Poddar, Jaya Subrahmanyam

**Response Rate:** 92/135 (68.15 %)

### 18 - Comments

#### Nadav Gov-Ari

**Response Rate** 3/135 (2.22%)

- So so so kind and approachable. Very helpful
- He's very helpful and knowledgeable on subjects.
- Nadav is my favorite TA. I think he's extremely relatable and easy to talk to. He is also extremely knowledgeable on the labs and the topics. He has an approach to the class that's different than a lot of the other TAs and I think it's his perspective that elucidated a lot of complicated concepts for me that wouldn't have been otherwise. His approach to the exams is the approach I've adopted and I've found it really helpful.

### 18 - Comments

#### Nelson Gomez

**Response Rate** 5/135 (3.7%)

- he's good
- Nelson is amazing and was able to every question thrown in his way. He is an amazing head of TA and deserved his position 100%.
- His emails are the BEST. They're very organized and insanely helpful, you can tell a lot of thought was put into them.
- I don't understand how Nelson knows everything so well. He's also very helpful and is great at helping you find the correct method of approaching problems in your code.
- Nice TA that is knowledgeable in various topics. Very nice and approachable. A student can find him at OH and also after class. He is always patient.

### 18 - Comments

#### Suhyun Kim

**Response Rate** 1/135 (0.74%)

- Definitely my favorite TA by far - so helpful and kind, and was even willing to stay past a couple of minutes to help me figure something out.

### 18 - Comments

#### Trang Pham

**Response Rate** 2/135 (1.48%)

- It was really great that the TAs sent out emails to students they were "assigned" to; I personally didn't need the resource, but I appreciated it very much and makes this class stand out in that Jae and the TAs genuinely want us to succeed.
- Super nice and approachable!

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**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)

### 18 - Comments

**Amanda Liu, Anna Lu, Aunoy Poddar, Benjamin Most, Da Hua Chen, Dean Deng, Eli Goldin, Elshadai Biru, Hans Montero, Hollis Lehv, Jaya Subrahmanyam, John Hui, Nadav Gov-Ari, Nelson Gomez, Suhyun Kim, Trang Pham**

#### Response Rate

- Definitely my favorite TA by far - so helpful and kind, and was even willing to stay past a couple of minutes to help me figure something out.
- Appreciate his good humor in teaching and helping
- he's good
- Really dedicate to his work. Willing to go overtime to help out. Thanks!!
- Super happy to help out in any way and makes sure that everyone present at office hours walks out happy and understanding the mistakes.
- Really interested in the material and very approachable. Wants to help everyone in any way he can and is sincere.
- Willing to follow up with personal emails after OH and wants to make sure that everyone has their questions answered
- Anna was the only TA that I really interacted with. I was very confused when she said in the very first Office Hours of the semester that, she was not allowed to look at my code to help me fix my Makefile error (she also didn't know why for some reason, I was getting .ch files). Because of this experience, I ended up not going to Office Hours for the duration of the semester.
- Aunoy is amazing and his knowledge of the AP material always amazes me. He is very funny but also respects his job and tries to do it really well.
- Jaya is the worst TA possible. Every time she has to hold a review session, she does it with a Teaching Assistant that actually knows the subject well(John Hui). When people asked her questions, she just replied with "I don't know." and then the other TA had to explain. She literally knows nothing and only answered really basic questions in the listserv. I have no clue whatsoever why Jae agreed to make her a TA.
- Nelson is amazing and was able to every question thrown in his way. He is an amazing head of TA and deserved his position 100%.
- El is amazing and very knowledgeable. She is very friendly and approachable. She made an effort to memorize everyone's names and motivated everyone to study really well.
- So so so kind and approachable. Very helpful
- Extremely approachable and knowledgeable. Goes out of her way to help out other students.
- His emails are the BEST. They're very organized and insanely helpful, you can tell a lot of thought was put into them.
- It was really great that the TAs sent out emails to students they were "assigned" to; I personally didn't need the resource, but I appreciated it very much and makes this class stand out in that Jae and the TAs genuinely want us to succeed.
- It was really great that the TAs sent out emails to students they were "assigned" to; I personally didn't need the resource, but I appreciated it very much and makes this class stand out in that Jae and the TAs genuinely want us to succeed.
- Super nice and approachable!
- Really a smart, nice, and knowledgeable TA.
- He's very helpful and knowledgeable on subjects.
- He's very knowledgeable on the subjects and he's very approachable; he's great at asking questions that lead you to the right answer.
- He's very helpful and knowledgeable on subjects.
- I found Jaya to be much weaker than other TA's in terms of how much she knows on the subjects; during her review session with John, it was almost always John who was answering questions and going over the subjects. Moreover, when I went to Jaya's office hours and asked her a question, she merely responded "I can't just answer that"; whereas, I find that other TA's, when they think answering a question gives too much of the lab's answer away, usually respond with a more conceptual question that you should think about that leads you into the correct path. So, I thought that she wasn't as helpful as the other TA's either.
- He's very helpful and knowledgeable on subjects.
- I don't understand how Nelson knows everything so well. He's also very helpful and is great at helping you find the correct method of approaching problems in your code.
- Nice TA that is knowledgeable in various topics. Very nice and approachable. A student can find him at OH and also after class. He is always patient.
- Great! Nice!
- Nice! Great!
- Went above and beyond to deliver in-depth answers to questions in a clear concise manner.
- Was very willing to help and often times stayed later to make sure that he got to every student.
- He is very approachable and extremely good at explaining all concepts involved in class.
- He is very approachable and extremely good at explaining all concepts involved in class.
- Hans is extremely knowledgeable in the subject matter and can explain the material and project objectives very clearly. I regularly attended his office hours and never left unsatisfied. He specifically always stayed (usually even later) until everyone was helped. Could not have done this class without him.
- Jaya was assigned to be one of the TAs for me and several other students. I emailed her several times with questions about the projects, and she always replied with a thorough, timely, and thoughtful response. I really appreciated the time she put in to assist me with my questions this semester.
- Amanda would often tell me information about labs that actually was incorrect and that I would later have to change. It also seemed as though she did not feel very passionate about helping students and had no qualms about leaving her office hours with many students still unsure how to fix their errors, which of course she is not obligated to fix or stay late for, but she did not give adequate information on how to proceed beyond her own attempts at fixing them.
- John is a great communicator and an effective and dedicated TA. He explained concepts clearly and with great humor, and was an inspiration to me with his knowledge about computer science and passion for the field. He often stayed well past the end of his office hours to help students fix errors, and was very responsive over email.
- Anna is good at drawing diagrams to explain concepts but oftentimes would go to fast and expect people to understand her explanations of a problem or concept the first time. She was not very approachable and oftentimes when I would go to her office hours she would be on her laptop and not show any interest in helping me, and even while helping me she would continue to go back to her own work on her laptop and sit silently. She was very dismissive and oftentimes wouldn't understand why someone wasn't understanding a certain concept, even if it was complex or confusing. Overall she was not very approachable and expected people to understand her diagrams even when they needed some explanation.
- El is a great TA and is very knowledgeable and approachable. She was one of my assigned TAs and she took the time to meet with me outside of her normal office hours to discuss strategies on how to do better on the midterms and course overall.
- Hans is awesome! He's super approachable and does the perfect level of encouraging and forcing you to figure it out on your own.

## Columbia University: School of Engineering

### Fall 2018 SEAS Final Evaluation

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**Course:** COMSW3157\_001\_2018\_3 - ADVANCED PROGRAMMING

**Instructor:** Jae Lee \*

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**Response Rate:** 92/135 (68.15 %)

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- Nadav is my favorite TA. I think he's extremely relatable and easy to talk to. He is also extremely knowledgeable on the labs and the topics. He has an approach to the class that's different than a lot of the other TAs and I think it's his perspective that elucidated a lot of complicated concepts for me that wouldn't have been otherwise. His approach to the exams is the approach I've adopted and I've found it really helpful.
- Dean is amazing! He is super attentive and takes the time to illustrate examples and explain concepts when you show him your broken code - so that you don't only understand how to fix it, but you understand how to not do it again.
- Da truly cares about helping the students in the class, one of the most helpful TAs I've met!

# Columbia University: School of Engineering

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**Response Rate:** 92/135 (68.15 %)

**19 - This semester we offered several resources for students to study and interact with the course. Please rate each item.**

**Being assigned two TAs at the start of the semester**

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Get rid of it	(1)	3	3.49%		
Meh	(2)	14	16.28%		
Somewhat useful	(3)	16	18.60%		
Very useful	(4)	11	12.79%		
Indispensable	(5)	4	4.65%		
I did not use this resource	(0)	38	44.19%		
				0 25 50 100	Question
<b>Response Rate</b>				<b>Mean</b>	<b>STD</b>
86/135 (63.70%)				2.98	1.06
					<b>Median</b>
					3.00

**19 - This semester we offered several resources for students to study and interact with the course. Please rate each item.**

**The review videos on YouTube (see <https://bit.ly/3157TV>)**

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Get rid of it	(1)	1	1.16%		
Meh	(2)	6	6.98%		
Somewhat useful	(3)	18	20.93%		
Very useful	(4)	34	39.53%		
Indispensable	(5)	10	11.63%		
I did not use this resource	(0)	17	19.77%		
				0 25 50 100	Question
<b>Response Rate</b>				<b>Mean</b>	<b>STD</b>
86/135 (63.70%)				3.67	0.89
					<b>Median</b>
					4.00

**19 - This semester we offered several resources for students to study and interact with the course. Please rate each item.**

**Sample exam review (super office hours)**

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Get rid of it	(1)	0	0.00%		
Meh	(2)	4	4.71%		
Somewhat useful	(3)	11	12.94%		
Very useful	(4)	25	29.41%		
Indispensable	(5)	24	28.24%		
I did not use this resource	(0)	21	24.71%		
				0 25 50 100	Question
<b>Response Rate</b>				<b>Mean</b>	<b>STD</b>
85/135 (62.96%)				4.08	0.90
					<b>Median</b>
					4.00

**19 - This semester we offered several resources for students to study and interact with the course. Please rate each item.**

**The group study sessions for midterm 2 and the final**

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Get rid of it	(1)	1	1.18%		
Meh	(2)	4	4.71%		
Somewhat useful	(3)	13	15.29%		
Very useful	(4)	12	14.12%		
Indispensable	(5)	9	10.59%		
I did not use this resource	(0)	46	54.12%		
				0 25 50 100	Question
<b>Response Rate</b>				<b>Mean</b>	<b>STD</b>
85/135 (62.96%)				3.62	1.04
					<b>Median</b>
					4.00

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**Response Rate:** 92/135 (68.15 %)

**19 - This semester we offered several resources for students to study and interact with the course. Please rate each item.**

### The mock exams

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Get rid of it	(1)	0	0.00%		4.35
Meh	(2)	2	2.33%		
Somewhat useful	(3)	10	11.63%	■	
Very useful	(4)	17	19.77%	■	
Indispensable	(5)	37	43.02%	■	
I did not use this resource	(0)	20	23.26%	■	
				0 25 50 100	Question
Response Rate				Mean	STD
86/135 (63.70%)				4.35	0.85
					Median
					5.00

**19 - This semester we offered several resources for students to study and interact with the course. Please rate each item.**

### The course listserv

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Get rid of it	(1)	6	6.98%	■	3.93
Meh	(2)	8	9.30%	■	
Somewhat useful	(3)	9	10.47%	■	
Very useful	(4)	26	30.23%	■	
Indispensable	(5)	37	43.02%	■	
I did not use this resource	(0)	0	0.00%		
				0 25 50 100	Question
Response Rate				Mean	STD
86/135 (63.70%)				3.93	1.24
					Median
					4.00

**19 - This semester we offered several resources for students to study and interact with the course. Please rate each item.**

### Weekly review sessions

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Get rid of it	(1)	1	1.18%		3.70
Meh	(2)	5	5.88%	■	
Somewhat useful	(3)	19	22.35%	■	
Very useful	(4)	34	40.00%	■	
Indispensable	(5)	11	12.94%	■	
I did not use this resource	(0)	15	17.65%	■	
				0 25 50 100	Question
Response Rate				Mean	STD
85/135 (62.96%)				3.70	0.87
					Median
					4.00

**19 - This semester we offered several resources for students to study and interact with the course. Please rate each item.**

### Review session notes on GitHub

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Get rid of it	(1)	0	0.00%		4.26
Meh	(2)	0	0.00%		
Somewhat useful	(3)	10	11.63%	■	
Very useful	(4)	35	40.70%	■	
Indispensable	(5)	29	33.72%	■	
I did not use this resource	(0)	12	13.95%	■	
				0 25 50 100	Question
Response Rate				Mean	STD
86/135 (63.70%)				4.26	0.68
					Median
					4.00

## Columbia University: School of Engineering

### Fall 2018 SEAS Final Evaluation

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<b>Response Rate:</b>	92/135 (68.15 %)

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