

Savvas Petridis

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Education

Columbia University in the City of New York

- BA in Computer Science, May 2017, GPA: 3.77/4.0
Dean's List all semesters, NSF CIAN ERC Undergraduate Fellow
- MS in Computer Science May 2018, GPA: 3.83/4.0
- PhD in Computer Science (HCI), expected 2023

Experience & Research

Researcher, Columbia HCI

September 2017 - Present

- In collaboration with Prof. Lydia Chilton, I created a design pattern and tool to help novices create visual blends, images that blend two objects together to convey a message. Conducted two studies to demonstrate that the system effectively aids small groups and novices in creating blends. This work was just **accepted at CHI 2019** [[pdf](#)].

IBM Research Intern

June 2017 – August 2017

- Developed a web tool with which users could train multiple machine learning models on a variety of network traffic features, enabling researchers to better compare different models and features for desired classification tasks.

IBM Research Intern

June 2016 – August 2016

- Created a web tool with which users could identify the political bias in news articles. Mined text from hundreds of blogs and news sites of various political leanings and trained a convolutional neural network which performed well in this task.
- Designed and developed an interactive web-based strategy game end-to-end in order to study how individuals make policy-related decisions.

Wireless and Mobile Networking (WiMNet) Lab at Columbia University

June 2015 – February 2016

- Collaborated with a partner to create an interactive web-based application, which demonstrates the efficacy of feedback node selecting algorithms in a WiFi multicast network. **Featured:** NYC Media Lab Summit (**won second best demo**), IEEE Local Computer Networks conference, IEEE INFOCOM'16, and the GENI NICE conference.

Intrusion Detection Systems (IDS) Lab at Columbia University

January 2015 – May 2015

- Improved user-interface and enhanced data visualization for WindTunnel, a framework that generates synthetic data on multiple layers of a web application to assess security controls during simulated attacks.

Skills

- Highly proficient with: Python, Java, Matlab, C++
- Web: JavaScript, HTML, CSS, SQL, Node.js, Flask, Django, Angular

Publications

- L. Chilton, **S. Petridis**, M. Agrawala. "VisiBlends: A Flexible Workflow for Visual Blends," *accepted CHI 2019*.
- T. Alhindi, **S. Petridis**, and S. Muresan. "Where is your Evidence: Improving Fact-checking by Justification," *FEVER Workshop paper at EMNLP 2018*.
- **S. Petridis** and L. Chilton. "Interpreting Visual Metaphors in Advertisements," *Workshop paper at CVPR 2018*.
- V. Gupta, R. Norwitz, **S. Petridis**, C. Gutterman, G. Zussman, and Y. Bejerano, "AMuSe: Large-scale WiFi video

distribution - Experimentation on the ORBIT testbed,” *Demo description in Proc. IEEE INFOCOM’16*, Apr. 2016.

- V. Gupta, R. Norwitz, **S. Petridis**, C. Gutterman, G. Zussman, and Y. Bejerano, “WiFi multicast to very large groups - experimentation on the ORBIT testbed,” *Demo at IEEE LCN’15*, Oct. 2015.