

Fotios A. Psallidas

Contact Information

Computer Science Department
Columbia University
1214 Amsterdam Avenue
New York, NY, 10027

Telephone: (+1) 646 318 8835
E-mail: fotis@cs.columbia.edu
Website: cs.columbia.edu/~fotis

Personal Information

Date Of Birth: July 9, 1988
Current Occupation: Graduate Research Assistant, PhD student
Citizenship: Greek

Interests

- Provenance Management Systems
- Data Visualization Management Systems
- Database Management Systems

Education

2012-now: Ph.D in Computer Science, [Dept. of CS](#) at [Columbia University](#) (expected: 2018)
2012-2014: M.Sc in Computer Science, [Dept. of CS](#) at [Columbia University](#) (GPA: 4+)
2011-2012: M.Sc in Advanced Information Systems, [Dept. of I&T](#) at [NKUA](#) (on leave)
2006-2011: B.Sc in Computer Science (with honors), [Dept. of I&T](#) at [NKUA](#) (GPA: 9.25/10)

Publications

- [1] F. Psallidas and E. Wu, *Demonstration of Smoke: A Deep Breath of Data-Intensive Interactive Applications* — SIGMOD Demo 2018
- [2] F. Psallidas and E. Wu, *Smoke: Fine-Grained Lineage at Interactive Speed* — PVLDB 2018
- [3] E. Wu, F. Psallidas, Z. Miao, H. Zhang, L. Rettig, Y. Wu, and T. Sellam *Combining Design and Performance in a Data Visualization Management System* — CIDR 2017
- [4] F. Psallidas, B. Ding, K. Chakrabarti, and S. Chaudhuri *S4: Top-k Spreadsheet-Style Search for Query Discovery* — SIGMOD 2015
- [5] K. Tsakalozos, S. Evangelatos, F. Psallidas, M. Vieira, V. Tsotras, and A. Delis *DiVA: using Application-specific Policies to “Dive” into Vector Approximations* — The Computer Journal, 2015
- [6] F. Psallidas, H. Becker, M. Naaman, and L. Gravano *Effective Event Identification in Social Media* — IEEE Bulletin on Data Engineering vol. 36, no. 3, pp. 42–50, 2013.
- [7] F. Psallidas, A. Ntoulas, and A. Delis *SocWeb: Efficient Monitoring of Social Network Activities* — WISE, 2013.

Research & Industrial Projects

- **2016-now:** Data Visualization Management Systems (with [Eugene Wu](#))
- **Summer 2015:** MSR Internship (with [Surajit Chaudhuri](#))
- **Summer 2014:** MSR Internship (with [Kaushik Chakrabarti](#), [Bolin Ding](#), and [Surajit Chaudhuri](#))
- **2014-2015:** Information Extraction from Social Media: Detecting Disease Outbreaks (with Prof. [Luis Gravano](#) and the [Department of Health and Mental Hygiene of New York City](#))
- **2012-2015:** Event Identification in Social Media (with Prof. [Luis Gravano](#))
- **2011-2012:** [SocWeb: Searching the Social Web](#) - Research Assistant at NKUA (with Prof. [Alexandros Ntoulas](#) and Prof. [Alex Delis](#))
- **2011:** *Undergraduate Thesis:* “Techniques of management and manipulation of multidimensional data using GCTree”,(supervised by Prof. [Alex Delis](#))
- **2011:** Design, implementation, and evaluation of various multidimensional indices (with [Con Tsakalozos](#), Spiros Evangelatos, and [Alex Delis](#))
- **2008:** ProTeAS: Programming Teaching Assistance Systems
- **2007:** Foss.uoa project for the documentation of OpenOffice
- **2009-2012:** Psf-It Co., Founder - General IT Manager
 - PsPanel - CMS for remote site maintenance
 - PsClient - Desktop client for web-based services manipulation and management
 - Construction, evaluation, administration, and maintenance of web-sites and web services
 - Business Intelligence (BI) software support

Honors & Awards	<p>2011: Graduate grade in the top 1% in the department history (NKUA, Dept. of Informatics & Telecommunications)</p> <p>2011: Class Valedictorian (NKUA, Dept of Informatics & Telecommunications)</p> <p>2009-2011: Top student scholarship from the Greek State Scholarships Foundation (IKY)</p> <p>2000-2011: Excellence award in all twelve years of high school and college by ATEBank (now Piraeus)</p>
Technical Skills	<p><i>Social APIs:</i> Facebook Graph, FQL, Twitter REST(1.0, 1.1)/Streaming, Yelp, Youtube, Google Places, Flickr, Instagram</p> <p><i>Programming Languages:</i> C++, C, Java, Python, Prolog, AspectJ, Bash(shell)</p> <p><i>Programming Styles:</i> Procedural, Object Oriented, Logic, Functional, Aspect Oriented, Distributed, Multithreaded</p> <p><i>Mark-up Languages & Web:</i> PHP, HTML(5.0), CSS(3.0), Javascript, NodeJS, JSON, XML, Servlets, \LaTeX, jQuery, CMS (Wordpress, Joomla)</p> <p><i>DBMS Styles & Languages:</i> Relational, noSQL, graph DBs, SQL, plSQL, postgresSQL, MySQL, SQL Server, sqlite, MongoDB, redis, RDF, neo4j</p> <p><i>Programming Environments:</i> Unix System Programming (POSIX), MPI, OpenMP, MapReduce</p> <p><i>Graphics:</i> GLUT/OpenGL, WPF, Expression Blend</p> <p><i>Learning-Mathematics-Geometry:</i> Cgal, Dlib, Matlab, Weka, Mathematica</p> <p><i>Operating systems:</i> Mac OS X, GNU/Linux Ubuntu-Debian, Sun Solaris 10, Windows XP / Vista / 7</p>
Teaching	<p>Instructor</p> <p>2016: Seminar on Introduction to SQL (Hands-on)</p> <p>Instructor Assistant</p> <p>Spring 2018: Database Topics in Research and Practice (Instructor: Eugene Wu)</p> <p>Spring 2014: Advanced Databases, Columbia University (Instructor: Luis Gravano)</p> <p>Spring 2012: Systems Programming, Dept. of I&T (Instructors: Alex Delis and Mema Roussopoulos)</p> <p>Fall 2011: Introduction to Programming, Dept. of I&T, (Instructor: Panagiotis Stamatopoulos)</p>
Languages	<p>Greek (native speaker)</p> <p>English (fluent)</p> <p>French “Delf 1er Degree” (A1–A4), by National French Institute</p>