Curriculum Vitae

Sotirios Efstathios (Stathis) Maneas

Personal Information

Date of Birth:	14 March 1991
Contact Information:	Bahen Centre for Information Technology
	Room 5214
	40 St. George Street
	Toronto, ON, M5S2E4, Canada
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Email:	*smaneas@cs.toronto.edu* **&** *smaneas@gmail.com*
Website:	`http://smaneas.github.io/`

Research Interests

– Computer Systems and Networking:

- Storage Systems

- File Systems

- Distributed Systems

- Networked Systems

– Operating Systems

Education

Sep 2015 - Present **Ph.D. Candidate in Computer Science**,
Department of Computer Science,
University of Toronto

Oct 2012 - May 2015 **M.Sc. in Computer Science**,
Dept. of Informatics and Telecommunications,
National and Kapodistrian University of Athens, Greece
GPA: 9.36/10.00

Thesis title: *"Implementation and evaluation of a distributed, end-to-end verifiable, internet voting system"*
Advisor: Prof. Mema Roussopoulos

Sep 2008 - Sep 2012 **B.Sc. Degree in Computer Science**,
Dept. of Informatics and Telecommunications,
National and Kapodistrian University of Athens, Greece
GPA: 8.19/10.00

Thesis title: *"CacheRFS: Cache with Readahead Mechanism"*
Advisor: Prof. Alex Delis

Professional Experience

Sep 2015 - Present	**Graduate Research Assistant** Systems and Networks Lab, Dept. of Computer Science, University of Toronto Supervisor: Bianca Schroeder
Sep 2015 - Present	**Graduate Teaching Assistant** Dept. of Computer Science, University of Toronto
Aug 2013 - July 2015	**Research Assistant** ERC project: *"Protecting and Preserving Human Knowledge for Posterity"* National and Kapodistrian University of Athens
Sep 2012 - May 2013	**Software Engineer and Researcher** Project: *"iMarine - Data e-Infrastructure Initiative for Fisheries Management and Conservation of Marine Living Resources"* National and Kapodistrian University of Athens.

Publications

2020

1. **Stathis Maneas**, Kaveh Mahdaviani, Tim Emami, Bianca Schroeder, *"A Study of SSD Reliability in Large Scale Enterprise Storage Deployments"*, to appear in the 18th USENIX Conference on File and Storage Technologies (FAST 20), 2020.

2019

2. Shehbaz Jaffer, **Stathis Maneas**, Andy Hwang, Bianca Schroeder, *"Evaluating File System Reliability on Solid State Drives"*, in the USENIX Annual Technical Conference (ATC '19), 2019.

   Our device mapper module can be downloaded from here:
   `https://github.com/uoftsystems/dm-inject`

3. Nikos Chondros, Bingsheng Zhang, Thomas Zacharias, Panos Diamantopoulos, **Stathis Maneas**, Christos Patsonakis, Alex Delis, Aggelos Kiayias, Mema Roussopoulos, *"Distributed, End-to-end Verifiable, and Privacy-Preserving Internet Voting Systems"*, Computers & Security, 2019.

4. Xiaolong Xu, Qitong Zhang, **Stathis Maneas**, Stelios Sotiriadis, Collette Gavan, and Nik Bessis, *VMSAGE: A virtual machine scheduling algorithm based on the gravitational effect for green cloud computing*, Simulation Modelling Practice and Theory, 93:87–103, 2019.

2018

5. **Stathis Maneas**, Bianca Schroeder, *"The Evolution of the Hadoop Distributed File System"*, in the 14th International Symposium on Frontiers of Information Systems and Network Applications (FINA) in conjunction with the 32nd International Conference on Advanced Information Networking and Applications (WAINA), 2018.

2016

6. Nikos Chondros, Bingsheng Zhang, Thomas Zacharias, Panos Diamantopoulos, **Stathis Maneas**, Christos Patsonakis, Alex Delis, Aggelos Kiayias, Mema Roussopoulos, *"D-DEMOS: A Distributed, End-to-end Verifiable, Internet Voting system"*, in the Proceedings of the 36th IEEE International Conference on Distributed Computing Systems (ICDCS), 2016.

2015

7. Panos Diamantopoulos, **Stathis Maneas**, Christos Patsonakis, Nikos Chondros, Mema Roussopoulos, *"Interactive Consistency in practical, mostly-asynchronous systems"*, in the Proceedings of the 21st IEEE International Conference on Parallel and Distributed Systems (ICPADS), 2015.

   Our open-source software can be downloaded from here:
   `https://github.com/dsg-di/`

Teaching Assistantships

Fall 2015 - 2019 Winter 2016, 2018 - 2020 Summer 2018, 2019	**CSC209H: Software Tools and Systems Programming** Dept. of Computer Science, St. George Campus, University of Toronto
Winter 2017 Summer 2017	**CSCB09H: Software Tools and Systems Programming** Dept. of Computer Science, University of Toronto Scarborough (Double TAships)
Fall 2017	**CSC469H/CSC2208H: Operating Systems Design and Implementation** Dept. of Computer Science, St. George Campus, University of Toronto
Fall 2016	**Help Centre Teaching Assistant, Computer Science Help Centre** Dept. of Computer Science, St. George Campus, University of Toronto
Winter 2013 - 2015	**Systems Programming** Dept. of Informatics & Telecommunications, National and Kapodistrian University of Athens
Fall 2013	**Operating Systems** Dept. of Informatics & Telecommunications, National and Kapodistrian University of Athens
Fall 2012 - 2013	**Introduction to Programming** Dept. of Informatics & Telecommunications, National and Kapodistrian University of Athens
Fall 2012	**Object Oriented Programming** Dept. of Informatics & Telecommunications, National and Kapodistrian University of Athens

Academic Presentations

- *Evaluating File System Reliability on Solid State Drives*, USENIX Annual Technical Conference (ATC '19), 2019.

- *The Evolution of the Hadoop Distributed File System*, the 14th International Symposium on Frontiers of Information Systems and Network Applications (IEEE FINA), 2018.

Awards & Honours

- Doctoral Completion Award, University of Toronto, 2019.

- Student grant recipient, USENIX Annual Technical Conference (ATC '19), 2019.

- *Wolfond Fellowship*, University of Toronto, 2015.

Academic & Extra-Curricular Service

- Grad Visit Day Volunteer and Student Mentor, Department of Computer Science, University of Toronto.

- Social Coordinator, Computer Science Graduate Students' Benevolent Society (CSGSBS), 2016.

Computer Skills/Experience

Programming Languages: C, C++, Java, Python, R, Go.

Programming Environments: Eclipse, Netbeans, Geany, Code::Blocks, PyCharm, IntelliJ IDEA, JetBrains CLion, Microsoft Visual Studio (2008, 2010), Dev-C++, MySQL Workbench.

Other: Latex, Bash Shell Programming, Microsoft & Libre Office Suite, MySQL, PostgreSQL, Git, $Apache^{TM}$ Subversion, $Apache^{TM}$ Maven, $Apache^{TM}$ Ant, $Apache^{TM}$ Derby, Google's Protocol Buffers, GNU Gimp, Graphic library OpenGL (C/C++), Graphviz, FUSE.

Languages

Greek: Native.

English: Excellent - TOEFL (Score: 108/120) & Certificate of Proficiency in English (ECPE).

Spanish: Very well - Diploma de Español como lengua extranjera (Nivel Intermedio).

Other Interests

Sports: Basketball, Soccer.

Music: Electric Bass Guitar.

Other: Movies, Travelling, Books, and Chess.