Theano Stavrinos

Website: princeton.cs.edu/~theanos
Email: theano@princeton.edu

Education

Princeton University — Princeton, NJ
PhD in Computer Science, advised by Dr. Wyatt Lloyd & Dr. Ethan Katz-Bassett (Columbia) — Expected 2023

University of California, Los Angeles — Los Angeles, CA
MS in Computer Science, advised by Dr. Miodrag Potkonjak — 2014–2016

MS Thesis: "Evaluating 802.11p in Software-Defined Radio using Realistic Channel Parameters". Supervised by Dr. Miodrag Potkonjak and Dr. Bastian Bloessl (then at U. Paderborn).

University of Chicago — Chicago, IL
BA with Honors in Linguistics — 2005–2009

BA Thesis: "Predictability and Motivation for the Genitive/Dative Alternation in Modern German Constructions for Attributive Nominal Relations". Supervised by Dr. Steven Clancy.

Publications

- Hodsdon C, **Stavrinos T**, Katz-Bassett E, Lloyd W. "Scalable, Contiguous Sequencing for Building Consistent Services." *In submission.*
- **Stavrinos T**, Berger D, Katz-Bassett E, Lloyd W. "Don't Be a Blockhead: Zoned Namespaces Make Work on Conventional SSDs Obsolete." In *HotOS* 2021.
- Pan S, **Stavrinos T**, Zhang Y, Sikaria A, Zakharov P, Sharma A, Shankar P S, Shuey M, Wareing R, Gangapuram M, Cao G, Preseau C, Singh P, Patiejunas K, Tipton JR, Katz-Bassett E, Lloyd W. "Facebook's Tectonic Filesystem: Efficiency from Exascale." In *FAST* 2021.
- Guo J, Xu T, **Stavrinos T**, Potkonjak M. "Enabling Environmentally-Powered Indoor Sensor Networks with Dynamic Routing and Operation." In *PATMOS* 2016.
- Pannetier N, **Stavrinos T**, Ng P, Herbst M, Zaitsev M, Young K, Matson G, Schuff N. "Quantitative Framework for Prospective Motion Correction Evaluation." In *Magnetic Resonance in Medicine* 2016.

Academic & Departmental Service

- **Princeton CS Department Climate & Inclusion Committee PhD student representative** — 2020–present
- **OSDI 2021 External Reviewer** — 2021
- **OSDI 2018 Topic Preview Sessions Organizer** — 2018
- **OSDI 2018 External Reviewer** — 2018
- **NSDI 2018 External Reviewer** — 2018
- **Internet Measurement Conference (IMC) 2017 Shadow PC Member** — 2017
- **SIGCOMM 2017 Topic Preview Sessions Co-Organizer** — 2017
- **NSDI 2017 External Reviewer** — 2017

Scholarships and Awards

- **Chris Edmondson-Yurkanan Travel Grant** 2018
  Grant awarded for service to SIG to support travel to SIGCOMM
- **Open Science Data Cloud PIRE Fellow** 2015
  NSF-sponsored fellowship awarded to fund research internship at the University of Amsterdam
- **Graduate Opportunity Fellowship Recipient** 2014–2015
  Fellowship awarded to cover full tuition and living expenses for first year of Master's degree
- **Benjamin A. Gilman International Scholarship** 2007
  Scholarship awarded to fund Civilization Studies Semester Abroad in Athens, Greece

Work Experience

Facebook Menlo Park, CA
Software Engineering Intern, Storage Team Winter 2020

- Explored performance versus capacity tradeoffs for flash-based storage (C++)
- Collaborated with storage team to publish experience paper about Facebook's storage infrastructure

Google San Francisco, CA
Software Engineering Intern, Traffic Team Summer 2016

- Integrated regression detection service into binary rollout framework to automate evaluation of updates (Python)
- Applied integrated framework to automate rollouts for API management service (Python, C)

3Scan, Inc. San Francisco, CA
Software Development Intern Summer 2015

- Implemented Firmata protocol for sensor-to-microscope communication (Python, C)
- Built interactive shell for testing sensor system (Python)

3Scan, Inc. San Francisco, CA
Software Development Intern Summer 2014

- Integrated microscope sensors and focus mechanism into Arduino microcontroller (C, C++)
- Built browser dashboard for monitoring system status (JavaScript, HTML, MongoDB, d3)

Center for Imaging of Neurodegenerative Diseases San Francisco, CA
Research Associate June 2012–May 2014

- Carried out texture analysis experiments for MRI motion artifact quantification (Python)
- Implemented fMRI network analysis pipeline with NetworkX (Python) and Circos visualization software

Teaching

- **Teaching Assistant** at Princeton University Spring 2019
  Introduction to Computer Science (COS 126)
- **Teaching Assistant** at Princeton University Fall 2018
  Advanced Distributed Systems (COS 418)
- **Teaching Assistant** at University of California, Los Angeles Winter & Spring 2016
  Introduction to Operating Systems (CS 111)

Languages & Frameworks

- **Computer Languages:** C, C++, Python
- **Software:** DPDK, QEMU
- **Natural Languages:** advanced German, conversational Spanish, beginner Greek