

THEANO STAVRINOS

35 Olden Street
Princeton, NJ 08540
theano@princeton.edu

EDUCATION

Princeton University: PhD in Computer Science Expected May 2021
Advisors: Drs. Wyatt Lloyd (Princeton) & Ethan Katz-Bassett (Columbia)

The University of California, Los Angeles: MS in Computer Science June 2016
MS Thesis, supervised by Dr. Miodrag Potkonjak (UCLA) & Bastian Bloessl (U. Paderborn): “Evaluating 802.11p in Software-Defined Radio using Realistic Channel Parameters”

The University of Chicago: BA with Honors in Linguistics June 2009
BA Thesis, supervised by Dr. Steven Clancy: “Predictability and Motivation for the Genitive/Dative Alternation in Modern German Constructions for Attributive Nominal Relations”

GRADUATE COURSEWORK

Advanced Networking, Distributed Systems, Advanced Operating Systems, Computer Systems & Architecture, System Security, Scalable Microarchitectures, Statistical Modeling in Computer Vision

AWARDS & FELLOWSHIPS

- **Open Science Data Cloud PIRE Fellow** Summer 2015
NSF-sponsored fellowship awarded to fund two months of research at the University of Amsterdam
- **Graduate Opportunity Fellowship Recipient** 2014-2015
Fellowship awarded to cover full tuition and living expenses for first year of graduate school
- **Benjamin A. Gilman International Scholar** Spring 2007
Grant awarded to fund Civilization Studies Semester Abroad in Athens, Greece

PUBLICATIONS

Guo J, Xu T, **Stavrinos T**, Potkonjak M. Enabling Environmentally-Powered Indoor Sensor Networks With Dynamic Routing and Operation. *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. *Magnetic Resonance in Medicine* 2016.

ACADEMIC SERVICE

NSDI 2018 External Reviewer 2017
Internet Measurement Conference (IMC) 2017 Shadow PC Member 2017
Internet Measurement Conference (IMC) 2017 Scribe 2017
SIGCOMM 2017 Topic Preview Sessions Co-Organizer 2017
NSDI 2017 External Reviewer 2016

WORK EXPERIENCE & TEACHING

Princeton University (formerly University of Southern California) Fall 2016 - present
Research Assistant, Los Angeles, CA

- Main project: design a low-latency, high-throughput transport protocol tailored to data center RPCs
- Secondary project: design a scalable and fault-tolerant sequencer capable of serving requests at line-rate
- Conduct literature reviews, proofread/edit papers, other ancillary duties

Google June 2016 - September 2016

Software Engineering Intern, Traffic Team, San Francisco, CA

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

University of California, Los Angeles Winter - Spring 2016

Introduction to Operating Systems Teaching Assistant, Los Angeles, CA

- Taught concepts and skills needed for course programming assignments (approx. 25 students)

- Assisted with assignment re-design in Spring 2016

3Scan, Inc.

August 2015 - September 2015

Software Development Intern, San Francisco, CA

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

3Scan, Inc.

May 2014 - September 2014

Software Development Intern, San Francisco, CA

- Developed software for Arduino microcontroller to integrate microscope sensors and focus mechanism (C, C++)
- Integrated feedback about microscope movement into existing control system (C++, Python)
- Built Web-based dashboard for monitoring system status, hardware feedback (JavaScript, HTML, MongoDB, d3)

Center for Imaging of Neurodegenerative Diseases

June 2012 - May 2014

Research Associate, San Francisco, CA

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

LANGUAGES & SOFTWARE

Advanced: C, Python (including NumPy, SciPy, matplotlib, NetworkX), L^AT_EX.

Intermediate: Go, R, Arduino microcontroller programming.

Beginner: Java, Lisp, Scheme, Mininet, Matlab, ns-3 network simulator.

Natural Languages: Advanced literacy in German, intermediate conversation in German and Spanish.