

Dan Fu

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EDUCATION

Stanford University PhD in Computer Science	Stanford, CA September 2018-present
Harvard University AB/SM in Computer Science <i>Cum laude</i> , with Highest Honors in Computer Science	Cambridge, MA May 2018

RESEARCH EXPERIENCE

Stanford University , <i>Graduate Student Researcher</i>	2018-present
Harvard University , <i>Undergraduate Researcher</i>	2016-2018

INDUSTRY EXPERIENCE

Google , <i>Software Engineering Intern</i>	Summer 2016, 2017
Tamr , <i>Field Engineering Intern</i>	Summer 2015
Interactive Intelligence , <i>Software Engineering Intern</i>	Summer 2014
DyKnow , <i>Development Intern</i>	Summer 2013

TEACHING EXPERIENCE

Teaching Fellow , <i>CS 152: Programming Languages</i> Harvard University	Spring 2018
Teaching Fellow , <i>CS 61: Systems Programming and Machine Organization</i> Harvard University	Fall 2015, 2016, 2017
Teaching Assistant , <i>Honors Pre-Calculus</i> Park Tudor High School	Spring 2014

HONORS

Derek Bok Center Certificate of Distinction in Teaching	Fall 2017, Spring 2018
Presidential Scholar	2014
Siemens Research Competition National Runner-Up	2012

JOURNAL AND CONFERENCE PUBLICATIONS

[3] **Daniel Y. Fu**, Emily S. Wang, Peter M. Krafft, Barbara J. Grosz. Influencing Flock Formation in Low-Density Settings. *International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS)*, 2018.

[2] Abolhassan Behrouzvaziri, **Daniel Fu**, Patrick Tan, Yeonjoo Yoo, Maria V. Zaretskaia, Daniel E. Rusyniak, Yaroslav I. Molkov, Dmitry V. Zaretsky. Orexinergic Neurotransmission in Temperature Responses to Methamphetamine and Stress: Mathematical Modeling as a Data Assimilation Approach. *PLOS ONE*, May 20, 2015.

[1] **Daniel Fu**, Patrick Tan, Alexey Kuznetsov, Yaroslav I. Molkov. Chaos and Robustness in a Single Family of Genetic Oscillatory Networks. *PLOS ONE*, March 25, 2014.

THESES

Design of Influencing Agents for Flocking in Low-Density Settings. Harvard College Undergraduate Honors Thesis, 2018.

UNPUBLISHED WORK

Peter Kraft, Amos Waterland, **Daniel Y. Fu**, Anitha Gollamudi, Shai Szulanski, Margo Seltzer. Automatic Parallelization of Sequential Programs. Submitted to *SOSP '17*, *ASPLOS '18*.

Richard Cho, **Daniel Y. Fu**. Verifying Information Confidentiality under Query Optimization in HotCRP. Prepared for *CS 260r, Projects and Close Readings in Software Systems*, 2017.

Daniel Fu, Gabriel Guimaraes. Using Compression to Speed up Image Classification in Artificial Neural Networks. Prepared for *CS 222, Algorithms at the end of the Wire*, 2016.

Daniel Fu, Ross Rheingans-Yoo. Information-Provenance Clocks. Prepared for *CS 262, Intro to Distributed Computing*, 2016.

Daniel Fu, Ross Rheingans-Yoo. SimpleTimingPwn: Evading Information Flow Analysis via an Extremely Simple Timing Channel. Prepared for CS 263, *Systems Security*, 2015.

SOFTWARE PROJECTS

Ballroom Matchmaker: Automated Partnerships for Ballroom Dancing

<https://github.com/DanFu09/ballroom-matchmaker>

Ballroom Music Script for Runthroughs and Rounds

<https://github.com/DanFu09/ballroom-runthroughs-script>