James Yang Zou
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EDUCATION

Harvard University   December 2013
Ph.D. in Applied Mathematics
Focus: machine learning and computational biology

University of Cambridge
Certificate of Advanced Study in Mathematics (First class)   June 2008

Duke University
Major in Mathematics and Physics (high distinction)   May 2007

APPOINTMENTS

Chan-Zuckerberg Biohub Investigator   April 2017—present

Stanford Department of Biomedical Data Science   September 2016—present
Stanford Department of Computer Science (courtesy)
Stanford Department of Electrical Engineering (courtesy)
Assistant professor

Stanford AI for Health   November 2018—present
Faculty director

Microsoft Research, New England   July 2014—June 2016
Independent postdoctoral fellow, joint appointment at MIT

Simons Institute, UC Berkeley   January 2014—May 2014
Simons Research Fellow

AWARDS

2021 Sloan Fellowship

2020 NSF CAREER Award

5 outstanding paper awards at prominent CS conferences and workshops

2019 RECOMB Best Paper Award

2018 Tencent AI Award

2018 Google Faculty Award

2017 Chan-Zuckerberg Investigator

2008 NSF Graduate Research Fellowship—graduate work at Harvard.

2007 Gates Cambridge Scholarship—graduate work at U. Cambridge.

MENTORSHIP
Ph.D. students at Stanford:
Abubakar Abid (EE 2017-present); Amirata Ghorbani (EE 2017-present); Tony Ginart (EE 2018-present); Bryan He (CS 2018-present); Ruishan Liu (EE 2017-present); Jaime Roquero (Statistics 2018-present); Garrett Thomas (CS 2019-present); Kevin Wu (CS 2019-present); Michael Wu (Chemistry 2018-present); Martin Zhang (EE 2017-2019; postdoc at Harvard)

Postdocs at Stanford:
Amirali Aghazadeh (2017-2019); Alnur Ali (2019-present); Shantao Li (2018-present)

SELECTED INVITED TALKS
2019: Harvard, Boston University, Tufts, Flatiron Institute, JSM, UCLA CGSI, Vector Institute, Shanghai Jiaotong, Zhejiang Data Science, Simons Berkeley, Stanford, Banff, Kyoto, National Cancer Institute.

2018: Broad Institute, Oxford, Turing Institute, Peking University, Simons Berkeley, Imperial, UCLA CGSI, CZ Biohub, National Academy of Sciences.

2017: Northwestern, Columbia, UCLA CGSI, Tsinghua, Seoul National University.

2016: Harvard, Stanford, Johns Hopkins, UCSD, U Penn, NYU, Berkeley, CMU, Yale, ITA, INFORMS.

2015: MIT, UCSD, U Penn, U Mass Amherst, Harvard, MSR Redmond, Simons Berkeley, Berkeley, Cambridge, MSR UK, MRC Laboratory of Molecular Biology, ISMB, RECOMB, UCSF.

2014: EPFL, Hebrew University, Columbia, U Michigan, U Toronto, MSR New England, UCLA, Wellcome Trust Epigenomics of Common Diseases, Bertinoro.

TEACHING
Stanford CS273B: Deep learning for genomics and bio-medicine.   Fall 2016, 2017, 2018, 2019
Stanford CS329M: Algorithms of advanced machine learning   Spring 2017

WORKSHOPS
Organizer for 2018 Simons Workshop on Foundations of Adaptive Data Analysis
Organizer for 2018 UCLA IPAM Workshop on Genomic Privacy
Organizer for 2016, 2017, 2019 Machine Learning in Computational Biology workshop
Organizer for 2015 Computational Aspects of Biological Information workshop
Organizer for Stanford Biostatistics Workshop (Spring 2017, 2018, 2019).

PROFESSIONAL ACTIVITIES
ICML and AISTATS Program Committee; Reviewer for *Nature, Nature Biotechnology, Cell, Nature Communications, Nature Machine Intelligence, Genome Research, Nucleic Acid Research, PLoS Genetics, ICML, AISTATS, RANDOM, RECOMB.*