

Benjamin Fish

CONTACT INFORMATION

Computer Science and Engineering benfish@umich.edu
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2260 Hayward Street
Ann Arbor, MI 48109

EDUCATION

University of Illinois at Chicago, Chicago, IL

Ph.D. in Mathematics (specializing in Mathematical Computer Science), 2018.
Advised by Lev Reyzin.
M.S. in Mathematics, 2015.

Pomona College, Claremont, CA

B.A. in Mathematics and Computer Science, 2009 – 2013.
Graduated cum laude.

EMPLOYMENT AND RESEARCH EXPERIENCE

University of Michigan, Ann Arbor, MI.

Assistant Professor, 2021 – present.

Mila - Quebec AI Institute/Microsoft Research Montréal, Montréal, QC, Canada.

Postdoctoral Researcher advised by Fernando Diaz, 2018 – 2021.

University of Illinois at Chicago, Chicago, IL.

Research Assistant, 2016, 2017.

Graduate Teaching Assistant, 2013 – 2017. Led discussion sections for Pre-calculus, Calculus I, Introduction to Computer Science, and Linear Algebra for Business.

University of Utah, Salt Lake City, UT.

Visiting Scholar, 2017.

University of Melbourne, Melbourne, Australia.

Visiting Researcher, 2016.

MIT Lincoln Laboratory, Lexington, MA.

Research Intern, 2014 – 2016.

CONFERENCE PAPERS

Reflexive Design for Fairness and Other Human Values in Formal Models. Benjamin Fish and Luke Stark. Conference on AI, Ethics, and Society (AIES 2021).

The Effect of Competition and Regulation on Error Inequality in Data-Driven Markets. Hadi Elzayn and Benjamin Fish. Conference on Fairness, Accountability, and Transparency (FAT* 2020).

Sampling Without Compromising Accuracy in Adaptive Data Analysis. Benjamin Fish, Lev Reyzin, and Benjamin I.P. Rubinstein. Algorithmic Learning Theory (ALT 2020).

Gaps in Information Access in Social Networks. Benjamin Fish, Ashkan Bashardoust, danah boyd, Sorelle A. Friedler, Carlos Scheidegger, and Suresh Venkatasubramanian. The Web Conference (WWW 2019).

On the Complexity of Learning from Label Proportions. Benjamin Fish and Lev Reyzin. International Joint Conference on Artificial Intelligence (IJCAI 2017), superseded and expanded on by JAIR 2020 below.

Recovering Social Networks by Observing Votes. Benjamin Fish, Yi Huang, and Lev Reyzin. 2016 Autonomous Agents and Multiagent Systems International Conference (AAMAS 2016).

PROFESSIONAL
ACTIVITIES

PC member (alternatively called a reviewer by some communities) for AAAI 2018, NeurIPS 2018, FAT* 2019, NeurIPS 2019, ICML 2019, IJCAI-AI4SG 2019, ISAIM 2020, ICML 2020, NeurIPS 2020, and IJCAI 2021 and reviewer for ICML 2016, COLT 2018, and RANDOM 2018.

Co-organizer of a CRAFT (workshop event) session at FAT* 2020 titled [When Not to Design, Build, or Deploy](#).

Was the organizer of the Graduate Theoretical Computer Science Seminar at the University of Illinois at Chicago.

Has given invited talks at Cornell Tech, Google Research, Michigan State University, Princeton University, University of Melbourne, University of Pennsylvania, University of Utah, University of Victoria and others.