

Briana Vecchione

Cornell University
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Academics	Cornell University Ph.D. Student, Information Science <i>Committee:</i> Solon Barocas, Karen Levy (<i>Co-Advised</i>), Jon Kleinberg	Aug 2018 — May 2023 (expected) (949) 525-6310
	Pace University B.S. Computer Science, <i>Magna Cum Laude</i>	Aug 2012 — May 2016 <i>Mathematics Minor</i>
Select Experience	Princeton University Computational Social Science Institute , <i>Participant</i> Complete cutting-edge training in computational social science, complete participant-led research project. <i>Mentors:</i> Matthew Salganik	June 2021
	Cornell Tech , <i>Public Interest Tech Fellow</i> Collaborate with Blue Ridge Labs at the RobinHood Foundation to provide tech research insights to early-stage social impact ventures.	June—Sept 2021
	Spotify , <i>Research Scientist Intern</i> Provide diversity evaluation findings for cross-domain recommender systems. <i>Mentors:</i> Henriette Cramer, Zahra Nazari	June—Sept 2019
	Microsoft , <i>Fellow</i> Develop statistical dashboards for Manhattan Borough President’s Office using 311 service request data. <i>Mentors:</i> John Paul Farmer, Matt Stempeck	May 2016—Dec 2017
	Federal Reserve Board of Governors , <i>Data Science Intern</i> Develop and implement real-time operational dashboard for time series data releases.	June—Aug 2015
	Microsoft Research , <i>Data Science Summer School Student</i> Analyze network flow of NYC’s bike share program and develop load balancing algorithm. <i>Mentors:</i> Jake Hofman, Sharad Goel, Justin Rao	June—Aug 2014
Publications	T. Gebru, J. Morgenstern, B. Vecchione , J.W. Vaughan, H. Wallach, H. Daumé III, K. Crawford. “Datasheets for Datasets”. <i>ArXiv</i> , 2018. (<i>Under Review</i>)	
	Z. Nazari, C. Charbuillet, J. Pages, M. Laurent, D. Charrier, B. Vecchione , B. Carterette. “Recommending Podcasts for Cold-Start Users Based on Music Listening and Taste.” 2019. SIGIR 2020.	
	B. Vecchione , S. Barocas, K. Levy. “Algorithmic Auditing and Social Justice: Lessons from the History of Audit Studies”. EAAMO 2021.	
Select Honors, Awards, & Scholarships	Facebook Fellowship Selective fellowship to support full tuition, stipend, and travel for 2 years.	August 2020
	Ford Foundation Fellowship: Honorable Mention Selective fellowship based on academic performance and impact.	March 2020
	Google Women Techmakers Scholar Selective scholarship based on academic performance, leadership, and impact.	June 2019
	Cornell University Dean’s Excellence Fellowship Selective fellowship awarded to outstanding research degree students in support of diversity.	August 2018 — May 2019
	Computing Research Association: URMD Grad Cohort Sponsorship to attend workshop dedicated towards increasing diversity in computing research.	March 2019
	Forbes Under 30 Summit Fellow Sponsorship to attend the Under 30 Summit awarded to exceptional candidates creating social change.	October 2018

City of New York Certificate of Recognition July 2018
 Recognized for research and development in support of the Manhattan Borough President's Office.

Pace University 30 Under 30 Scholar February 2018
 Recognized as one of the most influential young alumni of Pace University for research contributions.

National Science Foundation ACM Tapia Scholar February 2016
 Sponsorship to support the ACM Richard Tapia Diversity in Computing Conference.

Anita Borg Institute GHC Scholar October 2015
 Sponsorship to support the Grace Hopper Celebration. (~20% acceptance rate)

Multiple Sclerosis Society Scholar 2012, 2014
 Scholarship to support families affected by multiple sclerosis.

**Select
 Invited
 Talks**

Self Balancing Bikes: Locally Re-Routing Users to Improve the Flow of Bike Share Programs
 • ACM Richard Tapia Celebration. *Won Best Paper Award* February 2015
 • Microsoft Research New York August 2014
 • Knowledge Discovery and Data Mining (KDD) at Bloomberg August 2014

Datasheets for Datasets

- Mechanism Design for Social Good, Bias Fairness & Discrimination Working Group March 2019
- Cornell University, AI Policy & Practice September 2018

Research & Development for Civic Engagement

- Stanford Digital Impact World Tour October 2017
- Bloomberg Data for Good Exchange September 2017
- New York University, Women in Computer Science February 2016
- Metropolitan Museum of Art Media Lab June 2016

Bias, Diversity, & Inclusion in Data Science & AI

- Cornell University, Women in Tech & Entrepreneurship August 2016
- oSTEM National Conference November 2015
- Facebook New York November 2015
- Sony Wonder Lab September 2015

**Professional
 & Service
 Activities**

AI, Policy, and Practice, Member Aug 2018 — Present
 Interdisciplinary research initiative with the goal of combining technical, sociological, philosophical, and legal expertise to more fully understand and develop the future path and impact of AI.

Mechanism Design for Social Good, Member Aug 2018 — Present
 Multi-institutional, interdisciplinary research group which uses insights from algorithms, optimization, and mechanism design to improve access to opportunity.

Cornell Graduate Women in Science, Web Developer Aug 2019 — May 2020
 Organization with the goal of improving scientific culture of the sciences for women and gender minorities through a combination of outreach, teaching, and advocacy.

Microsoft Research FATE Discussion Group, Discussant January — November 2017
 Fairness, Accountability, Transparency, and Ethics reading and discussion group studying the complex social implications of AI, machine learning, data science, experimentation, and increasing automation.

NASA Datanaut, Cohort Member June — December 2016
 International community with the goal of increasing proficiency of data science skills through access to and use of NASA's open data.

Skills

Languages: R, Python, Git, SQL, HTML/CSS/JavaScript
Databases & Servers: PostgreSQL, MySQL, BigQuery, Nginx, uWSGI, Redis
Platforms & DevOps: GCP, AWS, Microsoft Azure, Digital Ocean

**Teaching
& Mentorship
Experience**

Cornell University, *Teaching Assistant*

Department of Computer and Information Science, *Introduction to Web Design*

Fall 2019

Graded labs, supervised sections, handled online discussions, tracked attendance, and helped manage an undergraduate TA team of ~40 students.

Pace University

Women in Technology Club, *Co-Founder*

August 2014 — May 2016

Coached resume and scholarship application workshops for women and underrepresented persons in computing. Recruited, scheduled, and hosted guest lecturers.

Guest Lecturer or Workshop Instructor

- Introduction to Data Science. *Cornell University*. Spring 2019
- Building Civic Data Dashboards. *Manhattan Borough President's Office*. April 2017
- Personal Digital Privacy. *Arab American Association*. March 2017
- Keynote. *Intrepid Sea, Air, and Space Museum: GOALS for Girls*. April 2016