

Briana Vecchione

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- Academics**
- Cornell University** Aug 2018 — Dec 2022 (expected)
Ph.D. Candidate, Information Science
Committee: Karen Levy, Solon Barocas, Jon Kleinberg
- Cornell University** Aug 2018 — May 2022
M.S. Information Science
Committee: Karen Levy, Solon Barocas, Jon Kleinberg
- Pace University** Aug 2012 — May 2016
B.S. Computer Science, *Magna Cum Laude*
Mathematics Minor
- Select Experience**
- The Mozilla Foundation**, *Guest Researcher* November 2021 - Current
Investigate the resources and tools needed to support algorithmic auditors in order to encourage thorough and consequential AI scrutiny.
Collaborators: Deb Raji, Abeba Birhane
- Princeton University Computational Social Science Institute**, *Participant* June 2021
Complete cutting-edge training in computational social science, complete participant-led research project.
Mentors: Matthew Salganik
- Cornell Tech**, *Public Interest Tech Fellow* June—Sept 2021
Collaborate with Blue Ridge Labs at the RobinHood Foundation to provide tech research insights to early-stage social impact ventures.
- Spotify**, *Research Scientist Intern* June—Sept 2019
Provide diversity evaluation findings for cross-domain recommender systems.
Mentors: Henriette Cramer, Zahra Nazari
- Microsoft**, *Fellow* May 2016—Dec 2017
Develop statistical dashboards for Manhattan Borough President’s Office using 311 service request data.
Mentors: John Paul Farmer, Matt Stempeck
- Federal Reserve Board of Governors**, *Data Science Intern* June—Aug 2015
Develop and implement real-time operational dashboard for time series data releases.
- Microsoft Research**, *Data Science Summer School Student* June—Aug 2014
Analyze network flow of NYC’s bike share program and develop load balancing algorithm.
Mentors: Jake Hofman, Sharad Goel, Justin Rao
- Publications**
- T. Gebru, J. Morgenstern, **B. Vecchione**, J.W. Vaughan, H. Wallach, H. Daumé III, K. Crawford.
“Datasheets for Datasets”. Communications of the ACM 2021.
- B. Vecchione**, S. Barocas, K. Levy.
“Algorithmic Auditing and Social Justice: Lessons from the History of Audit Studies”. EAAMO 2021.
- 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.

Other Written Works	B. Vecchione. “Defining Public Interest Technology: Key Questions to Consider”. 2022.	
	B. Vecchione. “Addressing Economic Inequality in NYC through Social Impact Tech Research at Blue Ridge Labs.” PiTech at Cornell Tech”. 2021.	
	B. Vecchione. “Racial and Ethnic Group Participation in Cancer Clinical Trials”. 2021.	
	B. Vecchione. “The Influence of Social Support on Reentry Success”. 2021.	
Select Honors, Awards, & Scholarships	Facebook Fellowship	August 2020
	Selective fellowship to support full tuition, stipend, and travel for 2 years.	
	Ford Foundation Fellowship: <i>Honorable Mention</i>	March 2020
	Selective fellowship based on academic performance and impact.	
	Google Women Techmakers Scholar	June 2019
	Selective scholarship based on academic performance, leadership, and impact.	
	Cornell University Dean’s Excellence Fellowship	August 2018 — May 2019
	Selective fellowship awarded to outstanding research degree students in support of diversity.	
	Computing Research Association: URMD Grad Cohort	March 2019
	Sponsorship to attend workshop dedicated towards increasing diversity in computing research.	
	Forbes Under 30 Summit Fellow	October 2018
	Sponsorship to attend the Under 30 Summit awarded to exceptional candidates creating social change.	
Select Invited Talks	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.	
	Self Balancing Bikes: Locally Re-Routing Users to Improve the Flow of Bike Share Programs	
	• ACM Richard Tapia Celebration. <i>Won Best Paper Award</i>	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, <i>Member</i> 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, <i>Member</i> 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, <i>Web Developer</i> 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, <i>Discussant</i> 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, <i>Cohort Member</i> 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, <i>Teaching Assistant</i> Department of Computer and Information Science, <i>Introduction to Web Design</i> 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, <i>Co-Founder</i> 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 <ul style="list-style-type: none"> • Introduction to Data Science. <i>Cornell University.</i> Spring 2019 • Building Civic Data Dashboards. <i>Manhattan Borough President's Office.</i> April 2017 • Personal Digital Privacy. <i>Arab American Association.</i> March 2017 • Keynote. <i>Intrepid Sea, Air, and Space Museum: GOALS for Girls.</i> April 2016