

# Briana Vecchione

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Cornell University  
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<b>Academics</b>	<b>Cornell University</b> Ph.D. Student, Information Science <i>Committee:</i> Karen Levy, Solon Barocas, Jon Kleinberg	Aug 2018 — May 2023 (expected)  (949) 525-6310
	<b>Pace University</b> B.S. Computer Science, <i>Magna Cum Laude</i>	Aug 2012 — May 2016 <i>Mathematics Minor</i>
<b>Select Experience</b>	<b>The Mozilla Foundation</b> , <i>Guest Researcher</i> Investigate the resources and tools needed to support algorithmic auditors in order to encourage thorough and consequential AI scrutiny. <i>Collaborators:</i> Deb Raji, Abeba Birhane	November 2021 - Current
<b>Experience</b>	<b>Princeton University Computational Social Science Institute</b> , <i>Participant</i> Complete cutting-edge training in computational social science, complete participant-led research project. <i>Mentors:</i> Matthew Salganik	June 2021
	<b>Cornell Tech</b> , <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
	<b>Spotify</b> , <i>Research Scientist Intern</i> Provide diversity evaluation findings for cross-domain recommender systems. <i>Mentors:</i> Henriette Cramer, Zahra Nazari	June—Sept 2019
	<b>Microsoft</b> , <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
	<b>Federal Reserve Board of Governors</b> , <i>Data Science Intern</i> Develop and implement real-time operational dashboard for time series data releases.	June—Aug 2015
	<b>Microsoft Research</b> , <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
<b>Publications</b>	T. Gebru, J. Morgenstern, <b>B. Vecchione</b> , J.W. Vaughan, H. Wallach, H. Daumé III, K. Crawford. “Datasheets for Datasets”. Communications of the ACM 2021.	
	<b>B. Vecchione</b> , 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>B. Vecchione</b> , B. Carterette. “Recommending Podcasts for Cold-Start Users Based on Music Listening and Taste.” 2019. SIGIR 2020.	
<b>Select Honors, Awards, &amp; Scholarships</b>	<b>Facebook Fellowship</b> Selective fellowship to support full tuition, stipend, and travel for 2 years.	August 2020
	<b>Ford Foundation Fellowship: Honorable Mention</b> Selective fellowship based on academic performance and impact.	March 2020
	<b>Google Women Techmakers Scholar</b> Selective scholarship based on academic performance, leadership, and impact.	June 2019

**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.

**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