

BRIANA VECCHIONE

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EDUCATION

2016 B.A. Computer Science *Magna Cum Laude*, Pace University

PROFESSIONAL EXPERIENCE

Microsoft NY: Technology & Civic Engagement, Fellow, 2016-present

- Lead and support local civic technology software and data engineering research & development
- Scope external partnerships, define and prototype projects, and mentor and speak at community events

UNDERGRADUATE INTERNSHIPS

2015 Federal Reserve Board of Governors

- Develop and implement real-time operational dashboard for ETL time series data releases for internal division of ~50

2014 Microsoft Research Data Science Summer School

- Conduct “Self-Balancing Bikes”, an urban research project on algorithmic load balancing for local bike share systems (Won ACM award for undergraduate research, see below)

SELECT PROJECTS

BoardStat, Technical Lead, 2017-present

- Build data dashboards to contextualize NYC’s 311 service request data for Manhattan Borough President’s Office community boards
- DUTIES: Project scoping, user testing, business intelligence

Civicgraph.io, Developer, 2016-present

- Build application features & maintain application
- DUTIES: Software engineering, data analysis, user testing, devops

Microsoft Translator for IDNYC, Project Developer, 2016

- Implement Translator in select IDNYC centers in NYC to decrease language barriers

DUTIES: Project scoping, technical configuration, analysis & reporting

Microsoft Research “[Self-Balancing Bikes](#)”, Student Researcher, 2015

- Analyze the network flow of NYC’s bike share program and simulate incentive scheme to self-balance the system

DUTIES: Research, data analysis, algorithms, project scoping

SELECT AWARDS, GRANTS & SCHOLARSHIPS

Anita Borg Institute: Grace Hopper Scholar, 2014, 2015

ACM Tapia Award: Best in Undergraduate Research, 2015

National Science Foundation: ACM Tapia Scholar, 2015

Pforzheimer Honors Scholar, 2012-2016

National Multiple Sclerosis Society Scholar, 2012, 2014

TECHNICAL SKILLS

LANGUAGES: Git, R, Python, JavaScript, Bash, C

DATABASES: MySQL, Redis, PostgreSQL

SERVERS: Nginx, uWSGI

LIBRARIES/Frameworks: Scikit-learn, Pandas, Tensorflow, Keras, Flask, Angular 1.X, D3

DEVOPS: Microsoft Azure, Digital Ocean, Amazon AWS

BUSINESS INTELLIGENCE: Microsoft Power BI, Tableau

DESIGN: Adobe Creative Suite (Ps, Id)

GEOSPATIAL: CartoDB, Leaflet

VOLUNTARY COMMITMENTS

Microsoft Research FATE in AI/ML, Discussion Group Member, 2017-present

Data & Society, Member, 2016-present

BetaNYC, Civic Hacker, 2016-present

NASA Datanauts, Member, 2016-present

SELECT SPEAKING & PRESENTATIONS

TECHNOLOGY & CIVIC ENGAGEMENT

Stanford Digital Impact World Tour, October 2017

Panel discussion on the intersection of data and philanthropy

Bloomberg Data for Good Exchange, September 2017

Panel discussion with Manhattan Borough President, Gale Brewer, around building data dashboards for hyper-local government

Cornell Tech WiTNY Summer Guild, August 2017

Developer mentor for two-day product sprint to build a civic tool for residents of the Roosevelt Island senior center

Microsoft Civic Demo, Civic Hall, August 2016

Presentation on project portfolio of Technology & Civic Engagement Team

DATA SCIENCE & SOFTWARE ENGINEERING

NASA HQ, August 2017

Panel discussion on work done through the Datanauts program

oSTEM 2015, Carnegie Mellon University, November 2015

Invited panelist discussing recruitment/retention of diverse candidates in computing

ACM Richard Tapia Celebration of Diversity in Computing, February 2015

Presentation on locally re-routing users to improve the flow of bike share programs

ACM SIGKDD, Bloomberg NY, August 2014

Presentation on locally re-routing users to improve the flow of bike share programs

Microsoft Research DS3 Presentation, Microsoft Research, August 2014

Presentation on locally re-routing users to improve the flow of bike share programs