

MR (Mary Ruth) Ngo

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Education

Wellesley College, Class of 2017 || **Majors:** Computer Science, Italian Studies || **GPA: 3.67, Cum Laude**

Interested in data analysis and visualization, computer language design, gender parity in tech. Also interested in histories of disenfranchised minorities (take classes in Africana, queer, women's studies) and the marriage of tech and social justice.

Università di Bologna, Fall 2016 || [E.C.Co](#) immersion study abroad program

Skills and Extracurriculars

Technical Experience: data analysis and visualization, algorithms, data structures, combinatorics, graph theory, language theory, functional programming, machine learning, databases **Languages:** Python, Java, SML, Racket, C, SQL, front-end web trifecta

Extracurriculars: Drummer for Wellesley's Yanvalou (Afro-Haitian music ensemble), jazz and classical upright bass, unicycling, board games, [food blogging](#), [foodstagramming](#)

Personal Heroes: Audre Lorde, Jonathan Gold, my mom

Work Experience

Technical Research Intern (Sept. 2016-May 2017)

[Tinkerblocks](#) || 3-8 Hrs/Week

Use [Blockly](#) to convert TurtleBlocks and PictureBlocks (block languages built for creating tangible artifacts from laser cutters and 3D printers) into a more accessible, web-based app. Hired by Professor Lyn Turbak.

Tutor for [CS251](#) (Sept. 2016-May 2017)

CS Department, [Professor Lyn Turbak](#) || 5 Hrs/Week

Tutor for Principles of Programming Languages: "principles underlying the design, semantics, and implementation of modern programming languages."

Technical Teaching Assistant (June, July 2016)

[Girls Who Code](#) || 40 Hrs/Week

Teach lectures on OOP, WebDev and robotics (Scratch, Python, Webdev, arduino), assist and mentor students in collaboration with two teaching staff. Educate future non-cis-male coworkers :).

Faculty/Staff Tech (Fall 2014-Spring 2016)

[Wellesley Help Desk](#) || 6-8 Hrs/Week

Assist staff, faculty and students with software, hardware issues. Client services and IT troubleshooting.

Hackathons, Competitions and Conferences

[Wellesley Startup Competition](#), 1st Place Winner, 2016

Ideate and pitch tech startup idea CoShop to panel of Wellesley alumnae, win \$2500 seed money for startup.

[BOSPRE Programming Contest at MIT](#), 2016

Compete with Wellesley team of 3.

[HackMIT](#), MIT's Annual Hackathon, 2016

With team of 4 women, use Amadeus API to create a

Associate Consulting Software Developer (Feb 2018-)

Accepted full-time position at [ThoughtWorks](#) for 2018.

Data Science Intern (Feb.-Sept. 2016)

[Professor Octavio Gonzalez](#) || 3-10 Hrs/Week

Scrape, analyze and visualize behavioral data and PHI from a queer men's legacy dating site to evaluate stereotype that though PrEP is an HIV prevention medication, it encourages unsafe sex practices. Python: Selenium, pandas, plotly, Jupyter Notebook.

Technical Intern (January, February 2015)

[3DPlus Me](#) || 10 Hrs/ Week

Write binary PLY-parser (js) and set up interactive camera using three.js to render 3D images on WebGL so that image files can be edited provided that developers have internet access.

Product Intern (2014, 2015)

[ShapeUp, inc.](#) || Summer: 40-50 Hrs/Week

Experience in content and research validation, user and discovery testing, competitive analysis. Two consecutive summer internships sandwiching part-time internship during academic school year. Company has since been acquired by [Virgin Pulse](#).

wanderlust-first, visualization-based flight finder app.

[Ruhlman Conference at Wellesley College](#), 2016

Member of panel discussing process and insights from class project on DAV of 20 years of meta Ruhlman data.

[Out for Undergrad](#) (O4U) Tech Conference, 2016

Sponsored to attend tech conference in San Francisco for queer undergraduate students in tech.