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, language theory, user design, product development, and entrepreneurship.
Università di Bologna, Fall 2016 || E.C.Co immersion study abroad program

Skills and Extracurriculars

Technical/Design Skills: full stack web development, functional programming, machine learning, databases, user testing, wireframing and prototyping **Languages**: Python, Java, SML, Racket, C, SQL, PHP, HTML, CSS, JavaScript.

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 mo

Work Experience

Consulting Grad Software Developer (Jan 2018-)
ThoughtWorks, Inc. || 40-50 Hrs/Week
Current full-time position. Participate in 6-week intensive consulting training program in Pune, India. Champion agile software development, TDD, continuous delivery in role of coaching, delivering excellent software to clients.

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.

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.

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 over network.

Product Intern (2014, 2015)
ShapeUp, inc. || Summer: 40-50 Hrs/Week
Experience in content and research validation, user and discovery testing, competitive analysis, wireframing. Two summer internships plus part-time internship during academic school year. Company acquired by Virgin Puls

Hackathons, Competitions and Conferences

Wellesley Startup Competition, 1st Place Winner, 2016
Ideate, prototype and pitch tech startup idea CoShop to panel of Wellesley alumnae, win $2500.
BOSPRE Programming Contest at MIT, 2016
Compete with Wellesley team of 3.

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.