Mary Karroqe

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LinkedIn/Github: /mkarroqe

Education

New York University, Tandon School of Engineering
BS Computer Engineering; September 2016 - May 2020, expected
HackNYU Tech Committee Co-Chair, Society of Women Engineers

Brooklyn Technical High School
Software Engineering Major; September 2012 - June 2016
FIRST Robotics, Vice-President of Cyber Security Club, Vice-President of Young Women's Leadership Club

GenCyber Summer Program, Cyber/Computer Forensics and Counterterrorism, New York University - July 2015

Girls Who Code Summer Immersion Program, AT&T - July 2014 - August 2014

Experience

Teaching Assistant, Introduction to Engineering and Design, NYU General Engineering - August 2017 - Present
Led laboratory classes where I taught high school and college students technical and professional skills. Administered quizzes and led lessons on various general engineering concepts in electrical, civil, and software engineering.

Freelance Web Developer, Self - September 2015 - Present
Developed websites for both large and local small businesses. Developed proficiency in Wordpress CMS, and Bootstrap and Materialize frameworks. Implemented innovative backend solutions using Zapier and Google Drive for client convenience. Used Google Analytics data to maximize efficiency of design.

Software Engineering Intern, Honeybee Robotics - September 2016 - January 2017
Developed an autonomous program in Python for an in-office robot during my first semester of college. Worked in the Linux operating system and developed comfort in using the Unix terminal.

Lead Organizer, The Young Hackers - March 2015 - July 2016
Inspired middle and high school students to explore careers in STEM by helping organize several MLH hackathons. I acquired sponsors and mentors, led introductory coding workshops, and mentored participants.

Awards

NCWIT Aspirations in Computing New York Affiliate Award Winner - January 2015, 2016

NCWIT Aspirations in Computing National Award Runner-Up - January 2015, 2016

3rd Place Grand Prize Winner, PennApps XII - September 2015
My team's project, SemQuery, a semantic search engine for code, placed 3rd in an event of 2000 competitors.

Skills

Python, **C++**, ROS, HTML, CSS, JavaScript, Bootstrap, Wordpress, Java, Autodesk Inventor, Microsoft Excel