MEREDITH HOO

New York, New York
Website: http://merhoo.github.io/
Email: meredith.hoo1@gmail.com

EDUCATION:

Lehigh University B.S. in Computer Science & Cognitive Science — Class of 2019
- Coursework: Data Structures & Algorithms, C Programming, Discrete Structures, Cognitive Neuroscience — Bethlehem, PA
- GPA: 3.4

Bergen County Academies Technical Degree in Computer Science and Technology — Class of 2015
- Coursework: C, Python, AP Java, Linux Shell, Data Structures, Linear Algebra and Differential Eq. — Hackensack, NJ
- GPA: 3.5

WORK EXPERIENCE:

Web Developer at Lehigh's International Media Resources Center — Sept 2015-Current
- Manage and implement website content for Lehigh's College of Arts & Sciences
- Configure site structure through Drupal & Drush and maintain servers with PHP, & MySQL

Bloomberg Mobile Development Intern- Sales Intelligence — Summer 2015
- Made OCR business card reader for mobile web app, using jQuery, Javascript, & Backbone.js
- Maintained liaison between developers & sales representatives (users) to create ideal product

Bloomberg Multi-Asset Risk System Intern — Sept-May 2015
- Automated the internal build system for codebase
- Resolved user memory bug by implementing a script and Bloomberg Terminal UI

Morgan Stanley Virtualization Platforms Intern — Summer 2014
- Implemented a Python Splunk Rest API for infrastructure servers
- Monitored and modeled VM latency within front and back end layers via Splunk

PHILANTHROPIC WORK:

HACK2040 Volunteer for CODE2040 foundation — June 2015
- Mentored participants, and assisted organizers with hackathon production
- Helped underprivileged kids by providing support, advice and professional skills

Communications Director of hackBCA — Sept 2013-March 2015
- Organized a hackathon for high school students & handled marketing, publicity, & PR

Bergen County Academies Computer Science Teaching Assistant — Sept 2012-May 2014
- Taught high school students Python & Java, developed lesson plans

CoderDojo NYC Mentor — Nov 2013-Jan 2014
- Developed lesson plans and instructing kids age 7+ for CS related courses

PROJECTS:

Plagiarism Catcher Algorithm — December 2015
- Determines similarities between large document sets by hashing word seq. with binary search tree

Audio Visualizer (Live Site) — May 2015
- Musical Capstone project uses p5.js, Two.js, Soundcloud API, FFT, Javascript (in progress)

Myo Ping Pong Game @ HackRPI — November 2014
- A virtual game of ping pong, using a Myo's Armband Accelerometer, made with Node.js, Phaser.js

Design Lead for Momma Coders @ Harvard's Women Engineer Code Hackathon — February 2014
- Won 2nd Place for female friendly version of StackOverflow, using Javascript, Parse, & GitHub

NCWIT National Aspirations Award Runner Up 2014

COMPUTER SKILLS:

Applications	Eclipse, Git Terminal, PuTTY, UNIX /Linux /OS X/Windows Environments, Splunk, VI
Languages	Highly Proficient: Python, Java, HTML, CSS; Familiar: Javascript, BASH, C, Perl, PHP

INTERESTS:

Cognitive Science (Computer Science, Linguistics, Neuroscience, Philosophy & Psychology), AI & Machine Learning

Green Technology, Education & Racial/Ethnic/Gender/Sexual/Mental Health Equality

Mandarin : Intermediate Reading, Writing, Speaking