MEREDITH HOO

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WORK EXPERIENCE:

Web Developer at Lehigh's International Media Resources Center	September 2015-Current

- Manage and implement website content for Lehigh's College of Arts and Sciences
- Content management system based on Drupal & Drush and server side management with PHP, & MySQL

Bloomberg Mobile Development Intern- Sales Intelligence	Summer of 2015

- Developed business card reader for mobile web application, uses jQuery, Javascript, Ocrad.js, & Backbone.js
- Maintained liaison between developers and sales representatives (users) to create ideal product

Bloomberg Multi-Asset Risk System Intern	Sept 2014-May 2015

- Automated the internal build system for codebase
- Developed a Bloomberg UI function to resolve client side memory issue in financial portfolios

Morgan Stanley Virtualization Platforms Intern	Summer of 2014

- Implemented a Python Splunk Rest API for infrastructure servers
- Monitored and modeled VM latency within front and back end layers via Splunk Interface

PHILANTHROPIC WORK:

HACK2040 Volunteer for CODE2040 foundation	June 2015

- Mentoring participants, and assisting organizers with grunt work and support
- Helping 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, and PR

Bergen County Academies Tutor & Student Teaching Assistant	Sept 2012-May 2014

- Provided assistance to high school students learning Python & Java

CoderDojo NYC Mentor	Nov 2013-Jan 2014

- Developed lesson plans and instructing kids age 7+ for CS related courses

EDUCATION:

Lehigh University B.S. in Computer Science & Cognitive Science	Class of 2019
Coursework: CSE 017 Data structures and Algorithms, CSE 109 Software Systems, CSE 261 Discrete Structures	Bethlehem, PA
GPA: 3.4	
Bergen County Academies Technical Diploma Computer Science and Technology	Class of 2015
Coursework: C, Python, AP Java, Linux Shell, Circuitry, Data Structures, Linear Algebra and Differential Eq.	Hackensack, NJ
GPA: 3.5	

PROJECTS & ACHIEVEMENTS:

Plagiarism Catcher Algorithm	December 2015

- Determines the similarities between large document sets by hashing word sequences with binary search tree

Audio Visualizer	May 2015

- Musical Capstone project uses p5.js, Two.js, Soundcloud API, FFT, Javascript
- Check it out: http://chortletortle.gihub.io/FINAL Press 0, 1, 2, 3 & 4 to change visual, spacebar to change song

Myo Ping Pong Game @ HackRPI	November 2014

- An interactive ping pong game, made with Javascript, Node.js, Phaser.js, Myo Armband

Design Lead for Momma Coders @ Harvard's Women Engineer Code Hackathon	February 2014

- 2nd Place for beginner- female friendly version of StackOverflow, with Javascript, Parse, & GitHub

Runner Up for the National Center for Women & Information Technology's Aspirations Award	January 2014

COMPUTER SKILLS:

Applications	Eclipse, GitHub GUI & Terminal, UNIX/Linux/Sun/OS X/Windows Environments, Microsoft Office, Notepad++, Splunk, VIM/gVIM/VI
Languages	Highly Proficient: Python 3, Java 7, HTML5, CSS3; Proficient: Javascript, Java; Familiar: BASH, C, Perl, PHP

WORLD LANGUAGES:

Mandarin	Intermediate

OTHER INTERESTS & CAUSES:

Cognitive Science (Computer Science, Linguistics, Neuroscience, Philosophy & Psychology)
Green Technology, Education & Racial/Ethnic/Gender/Sexual/Mental Health Equality