MEREDITH HOO

New York, New York · meredith.hoo1@gmail.com · (516) 492-8916

EDUCATION:

Lehigh University B.S. Computer Science & Cognitive Science　　　　　　Class of 2019

Coursework: Advanced Algorithms, C/C++ Software Systems, Data Structures, Programming Languages, Discrete　　Bethlehem, PA
Structures, Cognitive Neuroscience, Child Education

GPA: 3.4

WORK EXPERIENCE:

Bloomberg Mortgage Applications Intern　　　　　　Summer 2016
- Developed full stack administrative application to configure product permissions　　New York, NY
- Application uses Javascript, SQL, Python, internal middleware services

Web Developer at Lehigh's International Media Resources Center　　　　　　Sept 2015-Current
- Manage and implement website content for Lehigh's College of Arts & Sciences　　Bethlehem, PA
- 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　　New York, NY
- 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　　New York, NY
- 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　　New York, NY
- Monitored and modeled VM latency within front and back end layers via Splunk

PROJECTS:

Natural Language Processing Article Analyzer @Lehigh Hacks　　　　　　April 2016
- Chrome extension that analyzes article bodies with IBM's Alchemy, News & Tone Analysis APIs
- Won the IBM Award at Lehigh's first hackathon

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

Audio/Music Visualizer　　　　　　May 2015
- Musical Capstone project uses p5.js, Two.js, Soundcloud API, FFT, Javascript (in progress)
- Site is currently live at https://chortletortle.github.io/FINAL/

Myo Ping Pong Game @ Hack RPI　　　　　　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 at for female friendly version of StackOverflow, using Javascript, Parse, & GitHub

COMPUTER SKILLS:

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

PHILANTHROPIC WORK:

HACK2040 Volunteer for Black & Hispanic Youth CODE2040 Foundation　　　　　　June 2015
- Mentored minority youth in software development skills

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

INTERESTS:

Software Interests　　AI & Machine Learning, Interactive Media, EdTech
　　　　Green & Ethical Technology, Diversity & Inclusion in Education and engineering workplaces
Languages　　English: Native proficiency, Mandarin : Intermediate Reading, Writing, French: Beginner