

# MEREDITH HOO

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## EDUCATION:

### Lehigh University B.S. Computer Science & Cognitive Science

Coursework: Artificial Intelligence, C/C++ Software Systems, Intro to Internet of Things, Data Structures, Algorithms  
GPA: 3.2

Class of 2019  
Bethlehem, PA

## WORK EXPERIENCE:

### Microsoft Engineering Explorer Intern

- Implemented a semantic pen/touch gesture to edit text in Word documents using C++
- Co-served as Project Manager and software engineer on team of three

Summer 2017  
Redmond, WA

### Bloomberg Software Engineer Intern

- Developed full stack administrative application to configure product permissions
- Application uses Javascript, SQL, Python, internal middleware services

Summer 2016  
New York, NY

### Lehigh University Technology, Research & Communications Fellow

- Hold responsibility for 20+ student's writing maturation within a given course
- Respond with written feedback to student drafts, hold individual and group draft conferences
- Act as a resource for students conducting research and using instructional technologies

Sept 2016 - Current  
New York, NY

### Lehigh University Web Developer

- Manage and implement website content for Lehigh's College of Arts & Sciences
- Configure site structure through HTML/CSS, PHP, Drupal & Drush

Sept 2015-Jan 2017  
Bethlehem, PA

### Bloomberg Software Engineer Intern

- 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

Summer 2015  
New York, NY

### Bloomberg Software Research & Development Intern

- Automated the internal build system for codebase
- Resolved user memory bug by implementing a script and Bloomberg Terminal UI

Sept-May 2015  
New York, NY

### Morgan Stanley Software Infrastructure Intern

- Implemented a Python Splunk Rest API for infrastructure servers

Summer 2014  
New York, NY

## PROJECTS:

### Experimenting with Python Data Libraries

- Differentiated temperature, humidity, and gas data in room of sensors over time
- Used Jupyter notebooks, NumPy, scikit-learn, and pandas (Python Data Analysis Library)

May 2017

### Audio Fingerprinting Media Cloud System, 3<sup>rd</sup> Place @ Lehigh Hacks

- Enterprise deduplication solution using by identifying uniqueness of audio and video files
- Built with Node.js, AWS, Amazon EC2, Amazon S3 & DynamoDB

December 2016

### Social Media Analytics, MLH Hack Against Harassment Award @ HackRice

- Gave social media users analytics on their positive and negative relationships

October 2016

### Natural Language Processing Article Analyzer, IBM Award @Lehigh Hacks

- Chrome extension that analyzes article bodies with IBM'sAlchemy, News & Tone Analysis APIs

April 2016

### Audio/Music Visualizer

- Musical Capstone project uses p5.js, Two.js, Soundcloud API, FFT, Javascript (in progress)
- Site is currently live at <https://chortleturtle.github.io/FINAL/>

May 2015

## COMPUTER SKILLS:

### Applications

Git, PuTTY, UNIX /Linux /OS X/Windows Environments, VI/VIM

### Languages

Highly Proficient: Python, Java, Javascript, HTML, CSS; Familiar: jQuery, C/C++, SASS, React.js

## INTERESTS:

### Tech Interests

AI & Machine Learning, Affective Computing, Intelligent Interaction, STEAM Diversity, Inclusion & Accessibility

### Languages

English: Native proficiency, French: A2 BLI Certified