

MEREDITH HOO

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EDUCATION:

Lehigh University B.S. Computer Science & Cognitive Science

Class of 2019

Relevant Coursework: Artificial Intelligence, Algorithms, Linear Algebra & Differential Eq., Cognitive Neuroscience

GPA: 3.2

WORK EXPERIENCE:

Microsoft Software Engineering Intern

Spring 2018-Current

- Creating an intelligent poetry assistant for Microsoft Word using JavaScript, and Agave
- Lunch-N-learn with Microsoft AI and HCI researchers (Daniel McDuff, Mary Czerwinski, Sean Andrist)

Redmond, WA

Microsoft Engineering Explorer Intern

Summer 2017

- Implemented a semantic pen/touch gesture to edit text in Word documents using C++
- Co-served as Project Manager and Software Engineer
- Attended the several Microsoft AI Faculty Summit panels on interactive and social agents

Redmond, WA

Bloomberg Software Engineer Intern

Summer 2016

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

New York, NY

Lehigh University Technology, Research & Communications Fellow

Sept 2016 - Current

- Manage 20+ student's writing maturation within a given course through written feedback, group and individual conferencing, and as a resource for students conducting research
- Mentor professor through class observation, pedagogy coaching, and assignment communication

New York, NY

Bloomberg Software Engineer Intern

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

New York, NY

Bloomberg Software Research & Development Intern

Sept-May 2015

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

New York, NY

PROJECTS:

TensorFlow Tutorials & Microsoft Research Series

Feb 2018-Current

- Working through the online TensorFlow tutorials, attending Microsoft Research's Neural Network Series

Full Stack Message Board

Jan 2018-Current

- Developing a place on my website to anonymously post secrets, with troll and spam filtering
- Frontend: Typescript, jQuery, HTML/CSS, Backend: Java Spark, Maven, Postgres, Heroku, SQL

Experimenting with Python Data Libraries

May 2017

- Differentiated temperature, humidity, and gas data in room of sensors via regressions and clustering
- Implemented with Jupyter notebooks, NumPy, scikit-learn, and pandas (Python Data Analysis Library)

Social Media Analytics, MLH Hack Against Harassment Award @ HackRice

October 2016

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

Natural Language Processing Article Analyzer, IBM Award @Lehigh Hacks

April 2016

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

COMPUTER SKILLS:

Languages

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

Technologies

Git, Linux/OS X/Windows, VI, Visual Studio, Jupyter Notebooks, Terminal

INTERESTS:

Technologies

Natural Speech Processing/Production, Social and Emotional Agents, Integrative AI

Languages

English: Native proficiency, French: A2 BLI Certified