MEREDITH HOO

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EDUCATION:

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

Relevant Coursework: Artificial Intelligence, Algorithms, Software Engineering, Cognitive Neuroscience   GPA: 3.2

WORK EXPERIENCE:

Lehigh University Data Scientist Research Assistant   Sept 2018- Current

- Predicting disease and invasive species spread in Northeast tree population with paleoclimatology data   Bethlehem, PA
- Tech stack: R, scikit-learn and pandas (Python Data Analysis Library)

Microsoft Software Engineering Intern   Spring 2018-Current

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

Microsoft Engineering Explorer Intern   Summer 2017

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

Bloomberg Software Engineer Intern   Summer 2016

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

Lehigh University Technology, Research & Communications Fellow   Sept 2016 – Dec 2017

- Hold responsibility for 20+ student's writing maturation within a given course   Bethlehem,PA
- 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

Bloomberg Software Engineer Intern   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

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   April 2018

- 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's Alchemy, News & Tone Analysis APIs

COMPUTER SKILLS:

Languages	Highly Proficient: Python, Java, JavaScript/jQuery, HTML/CSS; Familiar: C/C++, React.js
Technologies	Git, UNIX/Linux/OS X/Windows, VI/VIM, Visual Studio, Jupyter Notebooks, Terminal

INTERESTS:

Research	Natural Speech Processing/Production, Social and Emotional Agents, Integrative AI
Languages	English: Native proficiency, French: A2 BLI Certified