

Education

Johns Hopkins University

(Expected) 2019

- B.S. Computer Science, B.S. Biomedical Engineering
- Tau Beta Pi Engineering Honor Society, Alpha Eta Mu Beta Biomedical Engineering Honor Society
- GPA: 3.96, Dean's List all semesters

Relevant Experience

Neuro Data Design Team – Software Developer

Aug 2018 – Present

- Contribute to Neuro Data's open source software by implementing multimodal unsupervised clustering.
- Apply machine learning to the Healthy Brain Network MRI data set to create a diagnostic aid for child anxiety.

McKinsey & Co. – Summer Business Analyst

Jun 2018 – Aug 2018

- Designed an enterprise-wide scaled agile transformation at a major corporation.
- Transformed service operations for a medical device company resulting in significant efficiency gains.

Optum, Inc. – Technology Business Analyst Intern

Jun 2017 – Aug 2017

- Led efforts to identify areas for efficiency improvement in enterprise wide processes.
- Coordinated cross-functional efforts to integrate business operations within enterprise technology.

Chib Lab – Research Analyst

Aug 2016 – May 2017

- Utilized computational models (Matlab) to understand behavior in regards to performance based on incentives.
- Owned the design and implementation of an interactive testing simulation.

Plaquate – Design Engineer

Jan 2016 – Jan 2017

- Engineered a safer coronary atherectomy device to improve the revascularization of coronary arteries.
- Awards: Johns Hopkins Business Plan Competition 2nd Place, Venture Well Grant

Leadership and Extra-Curricular

Alumni Student Ambassador

Feb 2017 – Present

- Direct interaction between alumni, trustees, administration, and students to foster communication and University involvement.

Teaching Assistant – Modeling and Design, Molecules and Cells

Fall 2017, Fall 2018

- Awards: David T. Yue Memorial Award for teaching excellence

Johns Hopkins Newsletter Editor

Aug 2015 – Aug 2018

- Coordinate staff writers, edit and publish articles utilizing InDesign, and manage a lab spotlight column.

Alpha Phi Fraternity Member

Apr 2016 – Present

- Volunteer for Presidents Day of Service, Blue Jay 5K, Reading Partners tutoring, and women's heart health philanthropy events.

Biomedical Engineering Society Mentor

Aug 2016 – Present

Skills

Computer Languages and Tools

Matlab
Python (PyTorch, scikit-learn)
C++ and C
Java (JUnit4 Testing)
R
Unix, Bash Shell Script (Makefiles and Test Scripts)
basic HTML, CSS and JavaScript

Laboratory Equipment

3D Profilometer
Dimension BSE 1200es 3D Printer

Coursework

Data Structures
Artificial Intelligence
Machine Learning
Algorithms for Sensor Based Robotics
Project - Plagiarism Detector
Project – Photo Editor (in C)
Project – Deep Learning Image Classifier (Python)

Other

Agile Certified
InDesign