

EDUCATION

- **Drexel University**

B.S. Computer Science & B.S. Mathematics

Philadelphia, PA

Aug. 2015 – June 2020

COURSEWORK

Mathematics: Modern Analysis I & II, Numerical Analysis I & II, Probability & Statistics I & II, Abstract Algebra I & II, Combinatorics, Partial Differential Equations, Complex Variables, Intro to Optimization Theory
Computer Science: Advanced Programming Techniques, Data Structures, Web & Mobile App Development, Systems Programming, Systems Architecture, Software Design, Programming Language Concepts, Machine Learning, Software Engineering, Introduction to Parallel Computer Architecture

PROGRAMMING SKILLS

Languages: Python, Matlab, C, C++, CUDA, Javascript, Java, Go, Bash

Tools: pthreads, numpy, Flask, OpenMP, MySQL, SQLite, MongoDB, OpenCV

EXPERIENCE

- **Senior Design**

Project Manager, Software Developer

Drexel University

Sept 2019 - June 2020

- Effectively communicated project scope and schedule with advisors.
- Directed a team of 7 students through requirements gathering, design, development, and testing phases.
- Investigated and identified requirements via stakeholder interviews and communication with subject matter experts, documented in software requirements specification.
- Designed modular software system to satisfy requirements, documented in software design document.
- Developed Python-based database interface module to transfer IoT device data to and from multiple database systems.
- Developed Python-based API to process requests to system backend.

- **Senior Design**

Project Manager

Drexel University

Sept 2019 - June 2020

- Effectively communicated project scope and schedule with advisors.
- Directed a team of 7 students through requirements gathering, design, development, and testing phases.
- Investigated and identified requirements via stakeholder interviews and communication with subject matter experts.
- Wrote software requirements specification and software design description.