

EDUCATION

CARNEGIE MELLON UNIVERSITY

BS in Computer Science

Expected May 2021 | Pittsburgh, PA

Cum. GPA: 3.84

Major GPA: 4.0

COURSEWORK

(Asterisk denotes course in progress)

Algorithm Design and Analysis (15-451)*

Foundations of PL (15-312)*

Probability and Computing (15-259)*

Introduction to Computer Systems (15-213)

Par and Seq Data Structures and Algs (15-210)

Multidimensional Calculus (21-268)

Hype for Types (98-317)

Great Theoretical Ideas in CS (15-251)

More Great Theoretical Ideas in CS (15-252)

Principles of Functional Programming (15-150)

SKILLS

PROGRAMMING LANGUAGES

C/C++ • Python • SML • HTML & CSS

Javascript/ES 6 • Java

TOOLS & FRAMEWORKS

Play • Docker • Flask • React Native • Git

PostgreSQL • Bootstrap • Bash • \LaTeX • Vim

EXPERIENCE

SOFTWARE ENGINEERING INSTITUTE | Full Stack Intern

May 2018 – Aug 2018 | Pittsburgh, PA

- Built from scratch a Java Play Framework web application to easily configure and monitor the security state and data of IoT devices.

ELLIANCE | Development Intern

June 2017 – Aug 2017 | Pittsburgh, PA

- Developed Pittsburgh.net mobile application for using React Native to help the user browse and save local Pittsburgh events.

June 2016 – Aug 2016 | Pittsburgh, PA

- Integrated Instagram APIs into Pittsburgh.net site to promote interactivity.
- Created an event data API to allow implementation of mobile application.

RESEARCH

PERSONAL ROBOTICS LAB | High School Research Intern

Sep 2016 – Mar 2017 | Carnegie Mellon University, Pittsburgh, PA

- Created an analytic metric for calculating joint space that accounts for the different energy and distance costs of the joints to better optimize practical aspects of moving a robotic arm.

ACTIVITIES

SCOTTYLABS | Directory of Technology

Nov 2017 – Present

- Manage club's technical direction and oversee all technical projects.
- Led a workshop on back-end development at Web Dev Weekend, an educational event that introduces students to the fundamentals of web development.
- Assisted in planning TartanHacks, Carnegie Mellon's largest hackathon of over 300 students, which is held by ScottyLabs.

AC MELLON CLUB SOCCER | Goalkeeper

Sep 2017 – Present

- Play goalkeeper on Carnegie Mellon's nationally competitive club soccer team.
- Competed in national tournament against the best collegiate club teams in the U.S. (Dec 2018).
- Competed in regional tournament (Oct 2017).