

Education | Carnegie Mellon University

Bachelor of Science in Information Systems, Minor in Software Engineering

Relevant Coursework

Sep. 2018 - May 2022

Distributed Systems, Introduction to Computer Systems, Principles of Imperative Computation, Principles of Software System Construction, Database Design, Web Application Design and Development, Methods for Statistics and Data Science

Experience | Carnegie Mellon Institute for Politics and Strategy, *Research Assistant*

Sep. 2020 - Present

- Implemented an electoral college game in Flask used to collect data for a study investigating common campaign resource allocation strategies and how they compare to theoretical results on optimal resource allocation vectors in probabilistic EC games.

Carnegie Mellon - Astrobotic, *Mission Operations*

May 2020 - Aug. 2020

- Drafted and published mission operations requirements for MoonRanger, a fully autonomous lunar rover being jointly developed by Astrobotic and Carnegie Mellon under a NASA contract.
- Developed a mission simulator used to optimize the workload shared by mission control.

Industry Terminal and Salvage, *Web Developer*

June 2020 - Aug. 2020

- Designed and developed a website from scratch using HTML, JS, and Sass.
- Held meetings with the owner of Industry Terminal and Salvage to identify and address their business needs, as well as to gather general feedback on the website throughout the development process.

Parthean, *Software Developer*

Nov. 2019 - May 2020

- Developed a social media platform focused on connecting educators to individuals interested in learning new skills.
- Implemented the Threads, Settings, and Sidebar views in React according to Figma prototypes, and linked the newly completed front end components to the existing backend.
- Redesigned the platform's onboarding flow to improve user experience, and verified the success of the new onboarding flow through user testing.

Impactiv, Inc., *Software Engineering Intern*

May 2019 - Aug. 2019

- Built, maintained, and edited over 200 e-commerce websites for small business owners using HTML, CSS, SASS, JavaScript and PHP.
- Ensured each website was ADA compliant to ensure the inclusion of disabled users and to avoid potential litigation following a wave of accessibility lawsuits filed across the industry.
- Automated the customer support process using Jira Service Desk, and created a "knowledge base" that customers could use to help themselves solve commonly asked questions.

Technical Skills | Languages - Java, C, Python, Go

Skills

Full Stack Development - HTML, Sass, CSS, Javascript, SQL, Redis, MongoDB, React, Ruby on Rails, Postgres, MySQL, Flask, R

Leadership & Organizations | Greek Sing at Carnegie Mellon University, *Philanthropy Chair*

Nov. 2019 - Present

- Managed an inter-organizational musical complete with set design, music composition, choreography, and tailored costumes.
- Coordinated philanthropy efforts on campus, including various service opportunities as well as fundraising events.
- Founded a not-for-profit ice cream brand with a custom line of CMU-themed flavors. All proceeds were donated to 412 Food Rescue, a local Pittsburgh charity initiative dedicated to fighting hunger.

Carnegie Mellon Ski and Snowboard Team, *President*

Sep. 2020 - Present

- Applied my experience as a former snowboard instructor to coach athletes of all skill levels at weekly team practices.