

## 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

- Developed a mission simulator used to optimize the workload shared by mission control.
- 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.

### Industry Terminal and Salvage, *Web Developer*

June 2020 - Aug. 2020

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

### Parthean, *Software Developer*

Nov. 2019 - May 2020

- Built a social media platform focused on connecting educators to individuals interested in learning a new skill.
- Implemented much of the front-end of the platform according to Figma mockups, and linked the front-end to the existing back-end.

### 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 avoid potential litigation following a wave of accessibility lawsuits filed across the industry.
- Upgraded and integrated a cross-functional agile development platform.

## Technical | 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, *Captain*

Sep. 2020 - Present

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