

Education

- **Carnegie Mellon University** Pittsburgh, PA
B.S. Computer Science, B.S. Chemistry (dual degree) [QPA: 3.94] May 2022
 - **Relevant past courses:** Introduction to Computer Systems, Parallel and Sequential Data Structures and Algorithms, Foundations of Programming Languages
 - **Ongoing courses:** Compiler Design, Constructive Logic, Artificial Intelligence
 - **Honors:** 2022 ACS Scholar; Dean's List, High Honors (x4); Dean's List (x1)

Work Experience

- **Palo Alto Networks** Santa Clara, CA (remote)
Software Engineer Intern in Test May 2021 — August 2021
 - Developed an integrated device monitoring dashboard to facilitate customer use case testing
 - Collaborated with engineers across different teams to build upon existing infrastructure
 - Utilized Grafana for front-end and PHP, Python, InfluxDB, and MySQL for back-end
- **Carnegie Mellon University School of Computer Science** Pittsburgh, PA
Lead Teaching Assistant (15-122: Principles of Imperative Computation) August 2020 — present
 - Manages course logistics and infrastructure in order to ensure the course runs smoothly
 - Coordinates a team of 30+ teaching assistants and onboards new teaching assistants
- **Network Medical Management** Alhambra, CA (remote)
Software Engineer Intern June 2020 — August 2020
 - Designed and implemented a full-stack web portal from scratch for use by physicians
 - Collaborated with business users and executives to add functionalities relevant to end users
 - Utilized Bootstrap/jQuery/JsRender for front-end and Flask/SQLAlchemy for back-end
- **Carnegie Mellon University School of Computer Science** Pittsburgh, PA
Teaching Assistant (15-122: Principles of Imperative Computation) August 2019 — present
 - Teaches code correctness, data structures, and algorithms to over 500 students/semester
 - Leads labs and recitations, facilitating a collaborative environment for student learning
 - Guides student understanding of concepts and assignments one-on-one during office hours

Projects

- **Quagmire: a C0 Compiler (15-411: Compiler Design)** 2021
 - Currently building a compiler for C0, a safe subset of the C language, in OCaml
- **HonkBot** 2021
 - Built a Discord bot for use by 15-122 during the Spring/Summer 2021 remote semesters
 - Implemented automated student roster verification and role management features
 - Utilized Python, Discord API, and Heroku Redis to build the back-end

Leadership

- **Scotch'n'Soda Theatre** Pittsburgh, PA
Vice President May 2021 — present
- **CMU All-University Orchestra** Pittsburgh, PA
Assistant Conductor May 2021 — present

Skills

- **Languages:** C, Java, Python, SML, OCaml, L^AT_EX, HTML, CSS, Javascript, SQL, Bash, PHP
- **Libraries/Frameworks:** Bootstrap, Flask, jQuery, InfluxDB, MySQL, Grafana
- **Tools:** Bootstrap Studio, Adobe XD, Adobe Lightroom, Figma, GIMP