

Education

- **Carnegie Mellon University** Pittsburgh, PA
B.Sc. Chemistry, Additional Major in Computer Science May 2022
 - Relevant courses: Principles of Imperative Computation, Introduction to Computer Systems, Principles of Functional Programming, Great Ideas in Theoretical Computer Science
 - Planned courses in Fall 2020: Parallel and Sequential Data Structures and Algorithms, Software Foundations of Security and Privacy, Undergraduate Complexity Theory

Work Experience

- **Network Medical Management** Alhambra, CA
Software Engineer Intern June 2020 — present
 - 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
Lead Teaching Assistant (15-122: Principles of Imperative Computation) starting August 2020
 - Will manage course logistics and infrastructure in order to ensure the course runs smoothly
 - Will coordinate a team of 30+ teaching assistants and onboard new teaching assistants
- **Carnegie Mellon University School of Computer Science** Pittsburgh, PA
Teaching Assistant (15-122: Principles of Imperative Computation) August 2019 — present
 - Assists in teaching code correctness, data structures, and algorithms to over 500 students
 - Leads labs and recitations, facilitating a collaborative environment for student learning
 - Guides student understanding of concepts and assignments one-on-one during office hours
- **ExpII, Inc.** Pittsburgh, PA
Content Writing Intern (Mathematics) September 2018 — May 2019
 - Created and moderated educational content targeted towards high school students
 - Authored engaging problems, solutions, and explanations for topics in algebra and geometry
 - Assisted in creation of mathematics curricula based upon existing pedagogical research

Projects

- **Personal Website** 2020
 - Created responsive design using Bootstrap Studio, then fine-tuned the HTML and CSS
 - Deployed to GitHub Pages through a custom domain and secured using Comodo PositiveSSL
- **FoodMood** 2020
 - Successful final round application submission to Capital One's Software Engineering Summit
 - Utilized Bootstrap, Esri's ArcGIS API, HTML5 Geolocation, and the Yelp API
- **Cleversign: A Real-Time American Sign Language Interpreter** 2018
 - Built a classifier that outputs English letters given visual webcam input of ASL hand signs
 - Retrained Google's Inception-V3 convolutional neural network (CNN) using TensorFlow
 - Utilized OpenCV for image preprocessing, i.e. isolating shape of the hand in each frame

Leadership

- **CMIMC Organizing Team** Pittsburgh, PA
Logistics Officer May 2019 — April 2020
 - Oversaw the operations of the Carnegie Mellon Informatics and Mathematics Competition
 - Coordinated scheduling of 400+ high school participants over multiple rounds of competition

Skills

- **Languages:** C, Java, Python, SML, L^AT_EX, HTML, CSS, Javascript, SQL
- **Libraries/Frameworks:** Bootstrap, Flask, jQuery, SQLAlchemy
- **Tools:** Bootstrap Studio, Adobe XD, Adobe Lightroom