

## Education

- **Carnegie Mellon University** Pittsburgh, PA  
*B.Sc. Chemistry, Additional Major in Computer Science* May 2022
  - Relevant courses: Inorganic Chemistry, Organic Chemistry, Organic Synthesis and Analysis, Physical Chemistry, Transition Metal Catalysis for Organic and Polymer Synthesis

## Research Experience

- **Carnegie Mellon University** Pittsburgh, PA  
*Noonan Research Group (Polymer Chemistry)* May 2019 — present
  - Conducted research through the CMU Summer Undergraduate Research Apprenticeship
  - Investigates novel syntheses of organic cations that functionalize anion exchange membranes
  - Utilized standard organic synthesis techniques as well as GPC, H-NMR, and IR analysis
- **Boston University** Boston, MA  
*Porco Research Group (Organic Chemistry)* July 2017 — August 2017
  - Conducted studies towards a novel synthesis of indoles with concurrent group migration
  - Investigated a new reaction pathway inspired by an unexpected result in mentor's work

## Work Experience

- **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 lab sessions, facilitating a collaborative and open 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

## Posters

- **Studies Towards a Novel Synthesis of Indoles with Concurrent Group Migration 2017**
  - Poster based upon work done as an intern at Boston University during the summer of 2017
  - Presented at Poster Symposium for BU's Research in Science & Engineering (RISE) program

## Leadership

- **Scotch'n'Soda Theatre** Pittsburgh, PA  
*Secretary (Board of Directors)* May 2019 — May 2020
  - Oversees production of six to seven shows per academic year by over 200 active members
  - Communicates key events and information to general membership weekly through emails
  - Connects with members of current productions to proactively identify and remedy conflicts

## Skills

- **Laboratory:** H-NMR, C-NMR, IR, UPLC-MS, GC-MS, GPC
- **Coding:** C, Java, Python, Mathematica, L<sup>A</sup>T<sub>E</sub>X, HTML/CSS, Javascript
- **Language:** Fluent in English and Chinese, conversant in Spanish
- **Other:** collaborative piano, photography, digital media editing