

Bonnie Guo

(646) 696-5349 | bmguo@andrew.cmu.edu

EDUCATION

Carnegie Mellon University

Pittsburgh, PA

BS in Information Systems, additional Major in Human-Computer Interaction

May 2024

- **Coursework:** Fundamentals of Computer Science, Optimization for Business, Matrices and Linear Transformations, Multivariate Analysis, Principles of Imperative Computation

EXPERIENCE

Carnegie Mellon University School of Computer Science

Pittsburgh, PA

Teaching Assistant, Fundamentals of Programming and Computer Science

August 2021 – Present

- Teach weekly recitations, labs, and office hours to guide students through important computer science concepts.
- Mentor my own personal group of students in developing their own capstone term projects at the end of the course.
- Assist the professors and other staff in writing practice material and adjusting the course.
- Grade weekly quizzes as well as the cumulative midterm and final exams.

GURU Test Prep

New York, NY

Teacher

June 2021 – Present

- Instructed middle and high school students in subjects including physics, computer science, math, and English.
- Crafted individualized daily lesson plans and homework assignments.

Mount Sinai Bioinformatics Lab

New York, NY

Research Intern

July 2018 – August 2018

- Conducted data analysis using R to discover biomarkers in autoimmune diseases.
- Searched through medical databases to find eligible samples to analyze.

PROJECTS

Pittsburgh Economy in a Snapshot Newsletter

Pittsburgh, PA

Researcher

June 2021 – August 2021

- Developed a publication, working under Carnegie Mellon's Economics Department, on Pittsburgh's regional economic trends, complete with data visualizations created in R.

Undercooked Video Game

Pittsburgh, PA

Designer and Programmer

April 2021– May 2021

- Utilized Python and several graphics packages to design an isometric platform cooking game that allows users to interact with their game environment.

ACTIVITIES / VOLUNTEERING

Smart Woman Securities

- Attended a seminar series to gain general financial knowledge and learn about the investment research process.
- Researched a company's stock and wrote a pitch for an investment project.

Delta Gamma Sorority

- Director of Recruitment Records: assists in formal recruitment and monitors voting.

Chinatown Beautification Day

- Coordinated a two-day conference for the discussion of Asian-American issues and the cleanup of Chinatown.

HONORS

- Selected to compete against 35 other top-ranked students in the country in the U.S. Earth Science Olympiad.
- Qualified for the American Invitational Mathematics Examination (AIME).

SKILLS

Python, C, Java, R, LaTeX, Microsoft Office

Conversant in Cantonese Chinese and Spanish