

Annika Wu

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Bachelor of Science in Computational Physics
Minor in Music Tech

May 2024

Relevant Coursework: Functional Programming, Principles of Imperative Computation, Fundamentals of Programming and Computer Science, Matter and Interactions II, Calculus in Three Dimensions

SKILLS

Computer Languages/Frameworks: Python, C0, C, SML, Jupyter Notebook

Software/Operating Systems: MatLab, ProTools, Reason, Finale, Musescore, Mac OSX, Windows

PROJECTS

Fundamentals of Computer Science Term Project

April 2021

- A cute collection game that has features such as local login and data save, automatic maze generation using randomized kruskal's algorithm, and hand-drawn animated sprites. Written in Python, built with tkinter.

Dinnerbot

December 2020

- A discord bot that has a variety of social features, including an automated market for students who are trying to sell their meal blocks. Currently deployed in a 50+ person server. Written in Python, built with discord.py API.

WORK EXPERIENCE

Teaching Assistant for Principles of Computing, CMU, Pittsburgh, PA

August 2021 – Present

- Led recitations and material review sessions to a small group of students in a Python course
- Monitored lectures and helped virtual attendees relay questions to professors
- Graded assignments/quizzes and provided feedback

Intern, CTW Mechanical, San Francisco, CA

July 2019 - August 2019

- Developed AutoCAD skills to create shelf diagrams and blueprints
- Communicated with construction workers and project manager to deliver measurements to manufacturer
- Organized product information into easy-to-read spreadsheets for managers and manufacturers

Intern, Original Shift, San Francisco, CA

July 2019 – August 2019

- Communicated with project managers to fix overtime in employee schedules

Tutor, Lionrock Education, Millbrae, CA

August 2019 – January 2019

- Guided high school students through difficult homework problems in all subject areas, challenging them to think for themselves by sharing strategies for studying and working through specific test questions

Dance Teacher, K-Pop-Up SF, San Francisco, CA

July 2019 – August 2020

- Taught dance routines to groups of adults, reviewed choreography and led rehearsals, and collaborated with a cameraman and editor to produce the final dance video

LEADERSHIP

Discord Admin, Pittsburgh, PA

December 2020 – Present

- Managed and moderate a public discord server with over 1000+ current and prospective students in order to foster a welcoming environment for incoming CMU freshmen
- Resolved conflicts within the team and amongst students on the server, and relayed announcements to the general public