

Melissa Yang

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Education

Carnegie Mellon University, Pittsburgh, PA

August 2018 - May 2022

- B.S. in Statistics and Machine Learning, Minor in Human Computer Interaction, 3.7/4.0 GPA
- Relevant Coursework: Human-AI Interaction, Designing Human Centered Software, Text Analysis, Natural Language Processing, Algorithms and Data Structures, Statistical Inference, Modern Regression

Skills

Technical

- Python, R, SQL, C
- HTML, CSS, JavaScript

Design

- Figma, Processing, Photoshop, InDesign

Experience

Data Science Intern, Honeywell: Safety & Productivity Solutions

June 2021 - August 2021

- Streamlined image-taking process by designing a Raspberry Pi GUI for biomedical imaging device
- Researched imaging techniques and discussed findings at team meetings
- Networked and presented project details with Honeywell leaders and interns at the Summer Intern Summit

Codeable Camps Instructor, codeable.me

August 2019

- Led classes for 18 young students in Scratch and piqued early interest in computer science and coding
- Tutored students in basic coding skills and guided them through develop projects and ideas

Projects

Broadband Usage During COVID-19, 99-520 Research Project

June 2020 - August 2020

- Analyzed and merged large datasets provided by M-Lab, western Pennsylvania libraries, and the U.S. census using SQL in BigQuery and R
- Collaborated with six group members and reported a significant slow in internet upload speeds for March and April of 2020 in a final paper
- Published article: Dahiya, Shefali, Lila N. Rokanas, Surabhi Singh, Melissa Yang, and Jon M. Peha. "Lessons from Internet Use and Performance During Covid-19." *Journal of Information Policy* 11 (2021): 202–21.

Hit the Beat, 15-112 Term Project

May 2019

- Worked closely with a mentor to program a rhythm game within three weeks by implementing Pygame, PyAudio, Aubio, Itertools, and NumPy libraries
- Program analyzes and extracts data from the user's music wav files to generate playable beatmaps within seconds

Leadership

Society of Asian Scientists and Engineers, President

January 2019 - December 2021

- Plan professional, social, philanthropic, and fundraising events for 30+ members
- Organize weekly board meetings and set weekly agendas
- Inspired over 150 Carnegie Mellon students to attend SASE National Conference in 2019