Joanne Tsai

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EDUCATION

Cargenie Mellon University

B.S. Information Systems
Minors: Business Analytics &
Human-Computer Interaction

2020 - 2024
GPA 3.8 / 4.0 • Dean's List

Relevant Coursework

Programming Usable Interfaces
Prin. of Imperative Computation
Web Application Development
User-Centered Research & Eval.
App. Design & Development

SKILLS

Programming

HTML / CSS / JavaScript •
Python / Ruby on Rails / C++ / C

Database

SQL / MongoDB / BigQuery •
R / Excel / Stata

Design

Figma / Canva / Bootstrap •
Prototyping • Storyboards •
Wireframes • Personas

Languages

English (fluent)
Mandarin (fluent)

INTERESTS

Video Editing • Photography •
Hiking • River Trekking

EXPERIENCE

Google STEP Intern

Google

May 2022 - August 2022 │ Taipei, Taiwan

Refactored code to enhance camera tool used by Google Nest.
Integrated a third-party library API and contributed to test writing
in C++. Volunteered to plan off-site social events for 100+ interns.

Teaching Assistant (Database Design & Development)

Carnegie Mellon University

Aug 2022 - Present │ Pittsburgh, PA

Leading weekly labs on database design, SQL, and MongoDB
queries to ~20 students. Mentoring 6 teams on database projects.
Holding weekly office hours and grading exams.

Research Assistant

Human-Computer Interaction Institute @ CMU

Jan 2022 - May 2022 │ Pittsburgh, PA

Performed data migration and analysis with MySQL, BigQuery, and
Stata. Collaborated with peer support platform 7 Cups to
personalize online therapy services and user interfaces.

PROJECTS

Great Pittsburgh Baking Outlet

Feb 2022 - May 2022 │ App. Design & Development

Designed and built a fully functional e-commerce website from
scratch. Implemented the Model-View-Controller pattern using
Ruby on Rails.

Website for Pamela's Diner

Mar 2022 - Apr 2022 │ Information Systems Milieux

Built a user-centered website using HTML, CSS, and JavaScript for
the restaurant Pamela's Diner. Re-designed and created wireframes
and prototypes. Conducted user testings.

Hamster Fund

Apr 2021 - Jul 2021 │ Fundamentals of Programming & CS

Designed a personal budgeting app that generates graphical
analysis and ratings of spending based on real-time data.
Programmed UI and executed Python libraries for data
visualizations and scraping.