Joanne Tsai

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EDUCATION

Cargenie Mellon University

B.S. Information Systems

Minors:
Business Analytics &
Human-Computer Interaction

2020 - 2024, Pittsburgh PA
GPA 3.74 / 4.0
Dean's List

Relevant Coursework

Programming Usable Interfaces
Interaction Design Overview
App. Design & Development
Database Design & Development
Prin. of Imperative Computation

Skills

User Interfaces
Interaction Design
Storyboarding
Wireframing & Prototyping
Web Application Design

Tools & Technologies

Figma • HTML • CSS • JavaScript •
jQuery • Python • C • BigQuery •
R • SQL • MongoDB • Excel

Languages

English (fluent)
Mandarin (fluent)

Interests

Video Editing • Photography •
Hiking • River Trekking

EXPERIENCE

Research Assistant

Human-Computer Interaction Institute @ CMU

Jan 2022 - Present, Pittsburgh

Performing data migration and analysis with MySQL, BigQuery, and Stata; Collaborating with online peer support platform 7 Cups to personalize online therapy services and user interfaces

Undergraduate Researcher

Tepper School of Business @ CMU

May 2021 - Jul 2021, Pittsburgh

Cleaned and visualized data with Excel and R; Created commentaries of contemporary economic issues and presented work to lab; Co-authored an economic newsletter, "Pittsburgh Economy in a Snapshot," for Carnegie Mellon Economics

PROJECTS

CourseEasy

Business Technology Group @ CMU

Feb 2022 - Present, Pittsburgh

Managing and integrating database from CMU's Faculty Course Evaluations with MongoDB; Collecting and organizing student data to develop course recommendation and skill set tagging systems

Website for Pamela's Diner

67-250 Information Systems Milieux

Mar 2022 - Apr 2022, Pittsburgh

Built a user-centered website with HTML, CSS, and JavaScript for the Pittsburgh restaurant Pamela's Diner; Designed and prototyped UI; Conducted user testings

Hamster Fund

15-112 Fundamentals of Programming & CS

Apr 2021 - Jul 2021, Pittsburgh

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