Jessica Huang

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EDUCATION

University of Pennsylvania   Philadelphia, PA
Master of Computer and Information Technology (MCIT) *(Computer Science)*   Aug 2023-Apr 2026 (expected)
- Cumulative GPA: 3.94/4.0
- Relevant course: Intro to Software Development, Discrete Math, Data Structure and Software Design, Algorithms, Computer Systems

San Francisco State University   San Francisco, CA
Bachelor of Science in Business Administration: Concentration in Accounting   Aug 2021-May 2023
- Cumulative GPA: 3.86/4.0, Summa Cum Laude

WORK EXPERIENCE

A Round Entertainment   New Jersey, NJ
Software Engineer Intern   May-Aug 2024
- Developed an iOS dating app using **JavaScript**, **React Native**, **Node.js** and **Expo**, integrating **Stripe API** for payment functionality
- Implemented front-end and back-end features for chat, unmatching, and blocking users
- Utilized **Firebase** for real-time database synchronization to manage user membership status
- Collaborated with UI/UX designers to translate design concepts into functional React components, enhancing app aesthetics and user experience by adhering to design specifications

Ernst & Young LLP   San Francisco, CA
Assurance/Audit Intern   June-Aug 2023
- Conducted detailed analytical trend analysis to identify potential audit issues in financial statements
- Provided value-added insights derived from data analysis to the audit team

SKILLS

- **Programming Language:** Java, Python, C, JavaScript, HTLM, CSS
- **Framework:** React Native, Expo, Flask
- **Technology:** Firebase, Git, GitHub, Node.js, Xcode, SQLAlchemy, SQLite, Postman, RESTful API
- **Leadership:** Vice President of Information Technology at Ascend Student Org, Treasurer at Ascend Student Org

PROJECT

Virtual Closet
Full-stack Virtual Closet Web App: https://jessicahuang.dev
- Built a full-stack web application using **Python**, **Flask**, **HTML**, **CSS**, and **JavaScript** to allow users to manage and organize their clothing items in a digital closet.
- Implemented backend functionality with **Python**, **Flask**, **SQLAlchemy and SQLite**, including routes for adding, searching, filtering, and deleting items, with dynamic interaction via **RESTful APIs**.
- Enabled image uploads for clothing items using Flask, allowing users to visually manage their wardrobe with categorized filtering by name, color, and category.
- Designed a responsive frontend interface, incorporating search and filter functionality for seamless user interaction and enhanced usability.

Personal Website: https://jhuang600.github.io/personal-website
- Developed a professional online portfolio using **HTML** and **CSS** to showcase resume, projects and links

COVID-19 and Property Data Analysis
- Developed **Java**-based console application to analyze COVID-19 data, property values, and population data from OpenDataPhilly, providing insights such as vaccination rates, property values, and livable areas for Philadelphia zip codes.
- Parsed real-world data from CVS and JSON files, calculate various values, use console-based user interface to get user input.
- Applied design patterns such as N-tier architecture, Singleton, Strategy and Memoization for efficient data processing.

Student Course Management System
- Developed **Java**-based console application for managing students, professors and administrators within a university system.
- Implemented feature to add/drop courses and schedule conflict checks.
- Created a login system for role-based access control.