Jessica Huang

San Francisco, CA

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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, Intro to Computer Systems, Computer Systems Programming, Database and Information 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

Bili – *Software Engineer Intern* Incoming Spring 2025

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, SQL, SQLite, Postman, RESTful API
- **Leadership:** Vice President of Information Technology at Ascend Student Org, Treasurer at Ascend Student Org

PROJECT

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, editing, 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.
- Integrated user authentication, including registration, login, and session management using Flask-Login and hashed passwords, ensuring secure access to personal wardrobes.
- Developed a user profile system, allowing users to view and interact with other users' closets, enhancing social engagement within the platform.

Personal Website: *https://jhuang600.github.io/personal-website/*
- Developed a professional online portfolio using **HTML**, **CSS** and **Bootstrap** to showcase resume, projects and links.
- Optimized layout and navigation for mobile and desktop users to ensure accessibility and usability.

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.