Evelyn Zhang

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EDUCATION

University of Southern California, GPA: 3.89 — Los Angeles, CA
B.S. Computer Science and Business Administration — *Graduation: May 2024*
- **Relevant Coursework:** Artificial Intelligence, Data Structures and Object Oriented Design, Principles of Software Engineering, Computer Systems, Information Security, Business Operations Management, Strategic Management, Business Finance
- **Frameworks & Tools:** Flutter, Spring Boot, ServiceNow, PowerBI, Tableau, PyTorch, Tensorflow, Alteryx, Git, UiPath, Azure Datalake, Firebase, Figma, Matplotlib
- **Languages:** Java, Python, SQL, JavaScript, C++, C, HTML/CSS

EXPERIENCE

Sumitomo Mitsui Banking Corporation (SMBC) — New York City, NY
Business Intelligence Engineer — *July 2024 - Present*
- Designed and developed the first internal data dashboard for Alteryx platform activity, centralizing data from all 200+ users within SMBC, enabling real-time insights, and optimizing tool usage across the organization.
- Automated data collection and transformation for reconciliations and visualizations, saving 120+ employee hours per week and enhancing data-driven decision-making across the business.
- Served as in-house technical lead, collaborating cross-functionally with finance, risk, operation & strategy, and audit teams to launch 7+ new workflows to production.
- Redesigned internal Alteryx server architecture into a Zero Trust model to address access control risks, elevating client confidentiality and internal data regulatory compliance.

Software Engineering Technology Intern — *June 2023 - August 2023*
- Utilized Robotic Process Automation to automate Volcker Reporting and daily market rate scraping processes, enabling error-free reporting for the Treasury Unit and saving 2,750+ hours annually in critical banking functions.
- Developed, demoed, and deployed five automated processes to production for file retrieval automation and other business functions, using UiPath, Microsoft Power Automate, VB .NET, C#.

USC Hierarchy, Networks, & Technology (HiNT) Lab — Los Angeles, CA
Research Assistant — *April 2022 - May 2024*
- Developed website for "New Directions in the Psychology of Technology Research Conference 2022" hosted by Psychology of Technology Institute and the University of Pennsylvania's Wharton School, reaching 100+ attendees and panelists.
- Redesigned USC's IT Services Portal wireframe using Figma to improve navigability and optimize the ticketing system. Implemented the new design, integrating ServiceNow AI Chatbots for FAQs, reducing email queries and manual ticket handling by 40% and resulting in a 20% decrease in user navigation time.

Intel Corporation — Remote
Data Science Intern — *October 2021 - June 2022*
- Built, tested, and demoed Microsoft PowerBI supply chain data model utilized by supply line managers to forecast revenue and shipment volumes for 10+ semiconductor vendors and 12+ global manufacturing sites.
- Integrated supply chain data from multiple servers to new data platforms through cycles of stitching and validating data.

TECHNICAL PROJECTS

Flutter IOS/Android Application | *Pueblo Del Rio* — *Jan 2024 - May 2024*
- In collaboration with the LAPD, Developed a full-stack mobile and web app to enhance safety and communication in high-crime neighborhoods in Los Angeles, featuring community engagement tools like posting and chatting.
- Integrated Flutter framework with Firebase through RESTful APIs for seamless data management. Utilized WebSockets for real-time chat, enabling instance communication between users.

Machine Learning Neural Network | *Handwriting Recognition* — *March 2024 - May 2024*
- Trained a handwriting recognition model on Google Colab using PyTorch, scikit-learn, and Matplotlib, achieving 96% accuracy.

Java Android Mobile Application | *Plan My Day* — *August 2023 - November 2023*
- Developed an Android app for tourists that generates daily trip schedules based on selected destinations and trip duration.
- Embedded google maps navigation using Google Maps API and created a greedy algorithm to allocate attractions per day based on predicted time at each attraction and operating hours.

Java Web Application | *Plant* — *October 2022 - December 2022*
- Developed a web app for gardening beginners to track plants and receive automated watering reminders based on plant type.
- Developed a Spring Boot backend with MySQL and a React JS frontend. Implemented multithreaded servlets to manage multiple plant accounts, distributing tasks across REST controllers to track elapsed time per plant.