

May Sabai

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EDUCATION

San José State University | San Jose, CA

May 2026

Bachelor of Science, Data Science

- **Courses:** Database Management Systems, Information Security, Processing Big Data, Statistics, Data Structures and Algorithms, Object-Oriented Design

SKILLS & INTERESTS

Technical Skills:

- Programming Languages: Python (Flask, Tkinter, SQLite), SQL, Java, C++, R, Matlab (beginner)
- Data Analysis & Visualization: Excel, Google Sheets, Numpy, Pandas, Matplotlib
- Systems & Tools: HTML/CSS, UNIX/Linux, Github, Microsoft Office, Google Suite, Zoom, Slack

Soft Skills: Team leadership, communication, problem-solving, adaptability

Language: English, Burmese, Mandarin/ Chinese (Intermediate)

PROJECTS EXPERIENCE

BudgetFlow (<https://github.com/QMay17/BudgetFlow>)

Mar 2025

- Developed a **full-stack** personal finance app entirely in **Python** using **Tkinter** and **SQLite**.
- Architected the project structure and **GitHub** repository for organized, scalable development.
- Implemented secure user registration with **password hashing**, **input validation**, and **persistent data storage**.
- Designed and styled key interfaces (Login, Profile, Reports) with Tkinter; prototyped UI in **Figma** for consistency and responsiveness.
- Created **dynamic** spending and savings visualizations using **matplotlib (bar and pie charts)**.
- Linked user data across databases to support **multi-user finance tracking**.
- Managed **Git version control** and delivered **final project demo**.

Ticket Pro (<https://github.com/QMay17/TicketPro>)

Oct 2024 – Dec 2024

- Developed and optimized a **MySQL database** for an event management platform, ensuring **BCNF normalization** and data integrity across **10+ relational tables**.
- Implemented efficient **SQL queries** with **JOINS and indexing**, achieving query execution times under **500ms** for event searches and ticket transactions.
- Designed and enforced **referential integrity** with foreign key constraints, reducing data inconsistencies by **30%**.
- Integrated **secure authentication** using **bcrypt hashing** and **encrypted payment processing**, enhancing system security for **100+ users**.

Water Quality (<https://github.com/QMay17/cs131/tree/master/MiniProjectGroup6>)

Mar 2024 – May 2024

- Analyzed factors impacting water quality, comparing metrics by city across multiple countries.
- Cleaned and prepared a dataset of 3,276 entries from **Kaggle** using **UNIX/Linux command line tools**, enhancing data quality.
- Visualized results using **Matplotlib** to communicate insights effectively.
- Developed test cases and created presentations in **Google Slides** to convey findings.

WORK EXPERIENCE

Din Tai Fung

July 2024 – Present

Greeter/ Front of the House Support

Santa Clara, CA

- Welcome and seat guests in a **high-volume, fast-paced** environment while managing the waitlist and check-ins.
- Communicate efficiently with a team of 15–20 staff members via walkie-talkies to ensure smooth operations.
- Multitask under pressure, proactively resolve issues, and go above and beyond to enhance the guest experience.

Burmese Student Association

Jan 2022 – June 2023

President & Founder

De Anza College

- Founded the first Burmese Student Association at a U.S. community college, growing membership from **20 to 200+ in one year**.
- Organized the **most significant** Myanmar New Year (Thingyan) event in Bay Area ISF history, drawing **300+ attendees from seven colleges**.