Ryan Sayaboc

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EDUCATION

University of California, Irvine   June 2025
B.S. Computer Science, GPA 3.9 / 4.0

PROJECTS

Shrink Link: *Python | HTML | CSS | Javascript*   August 2023
- Developed a URL shortener web application utilizing **React.js** framework coupled with **Python Flask** and **Google Firebase**.
- **Full stack** project that was aimed to provide users with a convenient way to shorten long URLs and track click statistics.

Expense Tracker: *HTML | CSS | Javascript*   April 2023
- Designed and developed and intuitive web-based expense tracker application using **React.js** framework to help users manage and monitor their finances.
- Implemented **authentication** via Google account to ensure privacy and confidentiality.
- Utilized **Google Firebase** database to store and retrieve user expense information.

Multiplayer Tic-Tac-Toe: *Python*   November 2022
- Developed a multiplayer Tic Tac Toe game with a user-friendly graphical user interface (**GUI**) and socket integration, allowing players to engage in real-time gameplay over a local network.
- Utilized **Tkinter** for GUI, and Python's **socket library** for network communication.
- Proficient use of **object oriented design** along with socket programming established a **server-client architecture** enabling seamless data exchange.

EXPERIENCE

Lab Assistant   September 2022-November 2022
University of California, Irvine
- Provided one on one and group tutoring to 300 students enrolled in ICS-31 (introductory programming course).
- Assisted students in understanding programming concepts, debugging code, and improving problem-solving skills in Python.
- Collaborated closely with the instructor to align tutoring sessions with course curriculum and provided clear explanations to students of varying skill levels.

SKILLS

Programming Languages
- Python, C/C++, HTML, CSS, Javascript, Java, Typescript, SQL

Software:
- Git/Github, Intellij, Pycharm, IDLE, VSCode, VIM, Google Firebase, Microsoft Office, Linux, Windows, OneNote, Google Drive