Hao-Ting Tso (David)

804 Praderia Circle Fremont, CA 94539   (650) 770-5414   davidtsojob@gmail.com

LinkedIn   GitHub   Portfolio

Education

University of California, San Diego   **La Jolla, CA**
Bachelor's in Computer Science (GPA: **3.9**/4.0)   September 2021 - June 2024

Foothill College   **Los Altos, CA**
Associate's in Transfer (GPA: **4.0**/4.0)   January 2020 - June 2021

Professional Experience

Amazon   **Taipei, Taiwan**
Software Developer Engineer Intern   July 2022 - Present

SLAC National Accelerator Laboratory   **Mountain View, CA**
Software Engineer Intern   June 2021 - October 2021

Developed tools to automate data processing and analysis for a research team of Gamma-Ray Bursts.

- Fetched and processed asynchronously sensor data from the UK Swift Science Data Centre.
- Extracted data from textual reports of varying formats using a Machine Learning Classifier.
- Built interactive data visualizations in Jupyter Notebooks to speed up analysis for the team.

Project

Accounting Bot   January 2022

- Deployed a Discord chatbot on Heroku and allows users to add/delete/lookup expenses 24/7 via simple messages.
- Running a multithread process of both the chatbot and the webserver built using Flask, handling HTTP requests and serving as a REST API.
- Stored the database in the Cloud, so the webserver can connect and modify it with a given database URL.

Skills

- **Programming Language:** Python, HTML/CSS, Javascript, SQL, C++, Java, Shell
- **Skillsets:** Version Control, REST API, Web Application, Database, Command Line
- **Tools:** Git, Heroku, Flask, Vue.js, PostgreSQL, Postgres CLI, Jupyter Notebook