

# Hao-Ting Tso (David)

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

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## 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

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## Professional Experience

**Amazon**

**Taipei, Taiwan**

Software Developer Engineer Intern

July 2022 - Present

Developing tools, automating video validation, and optimizing algorithms in development.

- Building a C++ package for embedded system engineers to use in their development.
- Automating the process of the validation of the video sent by the device in development
- Optimizing the algorithm for a product to operate more stably.

**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.

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## Project

Accounting Bot

January 2022

- Deployed a chatbot on Heroku and allows users to add/delete/lookup expenses in chat.
- Built the chatbot and the database server in a multithread process hosted in the same place.
- Stored the database in the Cloud, and used the database server as a REST API to modify it.

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## Skills

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