# Hao-Ting Tso (David)

804 Praderia Circle Fremont, CA 94539
(650) 770-5414
[davidtso1219@gmail.com](mailto:davidtso1219@gmail.com)
[Linkedin](#), [Github](#)

## WORK EXPERIENCE

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

Developed efficient tools to automate data processing and analysis in a research team studying Gamma-Ray Bursts.

- Asynchronously fetched and processed 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.

## PROJECTS

**OpenCourseBot**

- Built a chatbot on Discord that allows college students to look up course requirements for transferring by fetching information from API.
- Scraped data from websites and created commands for transfer students to access grade distributions and transfer statistics.

## EDUCATION

**University of California San Diego, La Jolla, CA** - *Bachelor's in Computer Science*
September 2021 - June 2024

Major GPA: **4.0** | Cumulative GPA: 3.9

**Foothill College, Los Altos, CA** - *Associate in Science for Transfer*
Jan 2020 - September 2021

Major GPA: **4.0** | Cumulative GPA: 4.0 (Dean's List)

## SKILLS

**Programming Languages:** Python, HTML/CSS, Basic Javascript

**Skillsets:** Object-Oriented Programming, Problem Solving, Version Control, Web Scraping, Basic Machine Learning, Basic Web Application Development

**Tools:** Git, Jupyter Notebook, Numpy, Pandas

## VOLUNTEER EXPERIENCE

**CS Tutor @ CodePioneers**

**Officer @ Foothill CS Club**