

Tommy Pham

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EDUCATION

UNIVERSITY OF CALIFORNIA, DAVIS

Bachelors of Science: Computer Science

Sept. 2021 - Dec 2023

Davis, CA

MODESTO JUNIOR COLLEGE, MODESTO

Associates of Science: Mathematics and Physics

August 2018 - May 2021

Modesto, CA

WORK EXPERIENCE

Bioinstrumentation and BioMEMS Laboratory

July 2022 – Current

Undergraduate Researcher

Davis, CA

- Developed a python script, that used Google Maps API, to reduce hours spent looking and curating GPS data
- Designed flowcharts for ~2000 lines of code for chemical sensor to make the project more accessible for lab members
- Created a more portable and practical design of a another chemical sensor in Solidworks to diagnose a local bat disease

Letters and Science Information Technology

Nov 2021 – July 2022

Service Desk Analyst

Davis, CA

- Troubleshoot over a hundred of UC Davis faculty hardware and software issues through ServiceNow
- Offered guidance to UC Davis faculty on different software: Microsoft Office Suite, Adobe, MatLab, Zoom, etc.
- Arranged the distribution and installation of various hardware and software to UC Davis Faculty and Staff .

Starship Technologies

Nov 2020 – Jul 2021

Robot Operator/Customer Experience Associate

Modesto, CA

- Maintained around 75 to 100 orders per day and led a team of 3 people to manage and handle orders
- Facilitated “hub and spoke” project, that increased service area by 20%
- Repaired over 25 robots with different faults, such as broken tires, dysfunctional motors, and faulty cameras
- Managed and categorized our local in-app menu and designed categories for holidays specials to increase public awareness

Personal Projects

Sorting Visualizer: Javascript, HTML/CSS

Fall 2022

- Developed a web application that visualizes different sorting algorithms such as insertion, selection merge, and bubble sort for educational purposes
- Implemented features that allowed the user to alter the sorting speed and sorting size.

Twitter Bot: Python, Tweepy, TextBlob

Fall 2021

- Designed a twitter bot that searched for keywords and upload the pertaining tweet to a CSV file
- Examined the tweet and gave it a sentiment value of “positive” or “negative” using TextBlob

Technical Skills

- **Language:** C++, C, Python, Javascript, HTML, CSS, MATLAB, RISC-V, x86
- **Developer Tools:** GIT, GDB, Valgrind, PyCharm, VIM, VS Code
- **Libraries:** pandas, numpy, scipy, matplotlib , jupyter notebook