Tony Doan

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SKILLS
Languages: C++, C, Python, Javascript, Java, MATLAB, MIPS
Technical: Linux, Git, Docker, HTTP, Flask, Reactjs,
Other: Detail-oriented, Adaptable, Problem-solving, Teamwork, English

EDUCATION
University of California Merced | Merced, CA
Bachelor of Science in Computer Science and Engineering, Minor in Cognitive Science   Aug 2019 - May 2023
- Degree Courses: Software Engineering, Algorithm Design and Analysis, Object-Oriented Programming, Full Stack Development, Distributed Software Systems, Intro to Artificial Intelligence, Intro to Machine Learning, Intro to Neural Networks, Linear Algebra, Statistics and Probability, Calculus, Circuit Theory

PROJECTS
Bin-Sort Vision System | *Capstone Project*
- Developed in a team of students sponsored by The Morning Star Co. to gain insight in designing and implementing software using industry software engineering practices. The project won 1st place at UC Merced's Innovate to Grow event.
- Scheduled team and client meetings to evaluate progress on development. Reviewed and assigned tasks to team members to guarantee that development was on schedule. (Team lead)
- Developed frontend and API functions for the website. Contributed to the machine learning solution to ensure that it worked with the website. (Full-stack developer)
- The application utilises machine learning, UI design, and database administration to create a modular system that can detect damages in wood bin parts and included a user feedback system that aims to help the ML model improve over time.

ynotdoan.com | *Individual Project (WIP)*
- Building and hosting an electronic version of my experience so it can be more accessible. This project is helping me to get a better understanding of Reactjs, Vite, and frontend design.

Mooday Tracker | *Hackathon Project*
- A mood tracking website designed and built as part of the Health & Wellness track at HackMerced VIII.
- Backend built with Flask to store journal entries so they can be displayed on a timeline for users to review.
- Used Reactjs for team members to learn how to use a professional frontend framework.

Social Media App | *Class Project*
- Built and hosted a social media app with basic functionality, such as account creation, posting and liking, etc.
- Used Flask to create APIs to handle interactions between the frontend and backend.
- Stored user information and posts using SQLAlchemy to learn the basics to databases.

Pokemon Qt | *Class Project*
- A game that involves simple exploration and a turn-based boss battle.
- Developed in a team using C++ and Qt to demonstrate understanding of Object-Oriented Programming and teamwork.

Pokedex App | *Individual Project*
- Used PokeAPI to retrieve data for any Pokemon and display all its information onto a Tkinter GUI.

WORK EXPERIENCE
The Container Store | San Francisco, CA
Sales Associate   Dec 2021 - Jan 2022
- Organised stockroom to improve workflow and merchandise sale.
- Maintained the sales floor in a presentable manner, and engaged with customers about products.

Silicon Valley Bank | Santa Clara, CA
End User Services Intern   Mar 2017 - Jun 2019
- Assisted users with hardware related issues, such as hardware replacement, laptop transfers, and desk setups.
- Imaged and patched company laptops for incoming employees and laptop replacements.
- Managed the team's laptop and peripheral inventory in the company database to track low-stock items.