

Trai Pham

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SUMMARY

Driven student pursuing a BS in Computer Science and a minor in Business at UCSD with experience in software engineering, web development, administration through an LMS, and technical support. I'm eager to learn and improve myself in all aspects. As an aspiring engineer, I hope to do all I can.

SKILLS

Languages: Python, C++, Java, JavaScript, HTML, CSS, React.js

Skills & Tools: MongoDB, SQL, MSSQL, Advance Algorithms and Data Structure, OOP, Node.js, REST API, Apache, HTTP, Data analysis, MERN Stack, Agile Methodology, Git/GitHub, SVN, Mocha and Chai, Heroku, Figma, Unit Testing, Excel, MS Suite, Tcl/Tk

PROFESSIONAL EXPERIENCE

Software/QA Engineering Intern

July 2022 – Present

Teledyne RD Instruments

Poway, CA

- Performed system testing on custom products, which helped secure \$100k+ in revenue.
- Developed Python tool/app for Operations staff to run reports on manufacturing database.
- Worked with Quality Engineering department to gather requirements and then develop complex SQL queries to extract process information from a legacy database.
- Continuous integration and development on improvement project for automating tests of products, which helps reduce manual testing time and user error. Worked with both frontend and backend.

Online Learning Support

Dec 2021 – June 2022

UC San Diego Division of Extended Studies

San Diego, CA

- Guided instructors and students with navigating Canvas, and other external tools.
- Used the LMS to assist with updating course content, to maintain an efficient learning environment.

Audio/Video Assistant/ STDT 4 | UC San Diego

Oct 2021 – June 2022

Website Intern | UC San Diego

March 2021 – June 2021

EDUCATION & COURSEWORK

Bachelor Of Science, Computer Science

2023

University of California, San Diego

San Diego, CA

1. **Co-created Journaling App:** worked with a team of 8 for a Software Engineering course. I worked on both frontend and backend We used JavaScript, HTML, CSS, Git, MongoDB, and Agile Methodology.
2. **Co-created web page** used for Database Analytics Applications course that would record and display data based on user's interactions within the website. (HTML, JavaScript, Python, Ruby, MongoDB, etc.)

AWARDS

Nordson BUILDS Scholarship: for high academics, leadership skills, and school involvement.

2021-2022

Provost Honors (x4): Earning a 3.5+ GPA for the quarter at UCSD.

2019-2021

National Football Foundation and College Hall of Fame Scholar Athlete Award

2019

Bausch + Lomb Honorary Science Award: Nominated for exceling in Math and Science.

2019

PERSONAL PROJECTS

1. **Created** personal website (trais-website.herokuapp.com). The objective was to explore web development with React.js and get an understanding of REST architecture.
2. **Created** discord bot used to simply take a text input and output a randomized recommendations of movies from an existing API.