

Daniel Truong

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EDUCATION

B.S. Computer Science

California State University, Fullerton

Graduation Date: May 2024

GPA: 3.98

SKILLS

Languages: Python, TypeScript, JavaScript/HTML/CSS

Frontend / Mobile: Next.js, React, Svelte, React Native

Backend: Express, FastAPI, Prisma, MongoDB, MySQL, DynamoDB

Other: AWS S3, Lambda, QuickSight, Glue, CDK

WORK EXPERIENCE

AMAZON WEB SERVICES | Software Development Engineer Intern | Seattle, WA

May 2023 - Aug 2023

- Developed a monitoring dashboard, integrating it to an internal data analytics service to promptly detect several metrics, resulting in increasing the detection process by 80% and automate the data collection process entirely
- Made a significant impact on the entire Documentation team by streamlining processes and improving visibility into more than 5000 localization packages total and 300 builds daily.
- Led the data transformation process using PySpark, AWS Glue, and AWS S3 to process 300 builds daily and prepare data for analysis and created a comprehensive dashboard with AWS QuickSight sourcing data from the internal datalake.
- Key contributor to an organization-level project, a new internal service tool for doc writers. Pioneered the implementation of Kahn's Algorithm to handle 9000+ entities data for a pivotal logic feature and collaborated with frontend engineers to develop the project's UI using TypeScript.

AMAZON | Student Research Fellow | Fullerton, CA

Feb 2023 - May 2023

- Selected as one of 10 CSUF students for the prestigious Amazon Student Fellowship program, collaborating with a team of 4 fellow students and developed a transgender resource mobile web application from inception to completion, incorporating stakeholder interviews, research, and data collection.
- Achieved 2nd place among 14 teams in the Engineering competition by CSUF, showcasing strong teamwork, communication, and coding skills.

ASSOCIATION FOR COMPUTING MACHINERY CSUF | Vice President | Fullerton, CA

June 2022 - Present

- Empowered a community of over 1000 tech enthusiasts as Vice President of ACM CSUF, fostering an inclusive and thriving tech club on campus. Led the successful organization of FullyHacks, CSUF's inaugural and largest in-person hackathon with more than 200 participants, providing a platform for students to showcase their innovation and coding prowess.

CAL STATE UNIVERSITY, FULLERTON | Data Science Research Assistant | Fullerton, CA

May 2022 - July 2022

- Researched about Data Science concepts such as data visualization, data analysis and Machine Learning concepts such as Linear Regression, K-Means Clustering,... under the guidance of Dr.Doina Bein
- Developed a Spotify Songs Recommendation System with K-Means and content-based filtering with optimal number of clusters through Elbow Method, Silhouette Number enhancing result outcome by 50%

PROJECTS

GAMEBOY SIMULATOR | A desktop application to simulate gameboy image style

Sep 2022

- Implemented PyQt, openCV to create a Computer Vision desktop application for image and webcam processing
- Led a team of 3 developers to work on the application, created CI/CD workflow using Github Actions, managed issues using Github Issues which improve productivity and consistency in the production branch by 60%

SPOTIFY RECOMMENDATION SYSTEM | Machine Learning model suggests Spotify song playlist

May 2022

- Analyzed Spotify songs, created custom datasets using various metrics including songs trend, song features correlation from 2017 to 2022 using Pandas, Matplotlib, Seaborn
- Implemented content-based filtering and One-Hot Encoding to determine user's top genre from personal playlist to create recommendation table with 50% more optimal cluster with Elbow Method, Silhouette Score

REDDAT | A full-stack social media web app

Dec 2021

- Launched a full-stack social media mobile web app similar to Reddit, reaching 2000+ users during beta launch
- Built API endpoints with authentication using JWT authentication, Express, Node.js, MongoDB applying MVC pattern
- Developed web app user interface with React, Redux Toolkit, and built chat room features with Socket.io increases user traffics by 60%