

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, Java

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

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

Other: Figma, 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, fostering an inclusive and thriving tech club on campus. Led the successful organization of FullyHacks, CSUF's largest in-person hackathon with 200+ participants, providing a platform for students to showcase their innovation and coding prowess with a growthmindset and collaborative attitude

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, communicate technical problems and solutions, improved 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%