Daniel Truong

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EDUCATION

B.S. Computer Science **Graduation Date:** May 2024 **GPA: 4.0**
California State University, Fullerton

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 increased efficiency and productivity, made a significant impact on the entire Documentation team by streamlining processes and improving visibility into build status.
- Led the data transformation process using PySpark, AWS Glue, and AWS S3 to process and prepare data for analysis and created a comprehensive dashboard with AWS QuickSight sourcing data from the internal datalake.
- Key contributor to a groundbreaking organization-level project, a new internal service tool. Pioneered the implementation of Kahn's Algorithm for a pivotal logic feature and collaborated seamlessly with frontend engineers to enhance the project's UI.

AMAZON | Student Research Fellow **Feb 2023 – May 2023**

- Selected as one of 10 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, PM **Jun 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, providing a platform for students to showcase their innovation and coding prowess.

CALIFORNIA STATE UNIVERSITY, FULLERTON | Data Science Research Assistant **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 productivty 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%