

# Daniel Truong

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## EDUCATION

### B.S. Computer Science

California State University, Fullerton

**Graduation Date:** May 2024

**GPA:** 4.0

## 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 for localization package build status, integrating it to an internal data analytics service in collaboration with the AWS Documentation team.
- Leveraged AWS CDK (Cloud Development Kit) and worked closely with my mentor to design and implement the architecture for the project.
- 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.
- Enabled the Documentation team to promptly detect failed builds, resulting in increased efficiency and productivity, made a significant impact on the entire Documentation team by streamlining processes and improving visibility into build status.
- 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.
- 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%

### TITAN RADIO | Web Developer | Fullerton, CA

**Jan 2022 - May 2022**

- Maintained website for CSUF radio station serves 35000 students per semester with HTML, CSS, JavaScript, PHP, Wordpress
- Constructing a React Native mobile app for radio streaming and DJ's show schedule with Typescript
- Mentored web design intern through Notion applying Scrum best practices to design website graphics, enhancing efficiency by 60

## PROJECTS

### WORDCLOUD VOTE | An anonymous voting platform with word cloud visualization

**Feb 2023**

- Developed a full-stack web application called WordCloud Vote, providing an anonymous and secure voting platform.
- Created the user interface using Next.js, TypeScript, and TailwindCSS, ensuring an intuitive and user-friendly voting experience.

- Implemented word cloud visualization to facilitate easy analysis of voting results, enhancing data comprehension and insights.

**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 such as songs trend, song features correlation from 2017 to 2022 using Pandas, Matplotlib, Seaborn
- Implemented Spotipy to retrieve data from Spotify API and create desirable custom datasets including 300 hot songs from 2017-2022
- 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%