

Thien An Tran

Email: fxthienan@gmail.com
Call: (818) 836-9868

Portfolio: <https://thienan11.github.io/>
Linkedin: <https://www.linkedin.com/in/thienan-tran/>

EDUCATION

California Polytechnic State University San Luis Obispo
Bachelor of Science, Software Engineering

Graduation: June 2024

Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Intro to Databases, Systems Programming, Java OOP, Software Engineering, Software Design and Development, UI/UX Design, Programming languages, Intro to Data Science, Artificial Intelligence

EXPERIENCE

BEACoN Research Software Engineer, Cal Poly CSSE Department

January 2024 - Present

Mapping for Social Justice | Python, OpenCV

- Research project focused on developing a video archiving and analysis platform to address social injustices.
- Worked on applying a layer of security to images/videos by adding protective face blurring through machine learning

Machine Learning Research Assistant, Cal Poly CSSE Department

October 2023 - Present

Ethnicity Inference w/ Name & Face | Python, Pandas, scikit-learn

- Research patterns among professors in California to explore the possible link between ethnicity and professional collaboration
- Assembled a dataset for model training and testing by employing Selenium and BeautifulSoup for web scraping data on identified individuals
- Trained a Random Forest model to identify ethnicity based on name and face with a 91% accuracy

Software Developer, Xperi Inc.

September 2023 - Present

Android Mobile Team | Java, Kotlin, Jira

- Mobile developer position for undergraduate capstone project
- Worked on implementing casting and voice search for Xperi's android app
- Deploying functionality to 50+ apps
- Collaborated with Xperi engineers through Agile

PROJECTS

Bloguetown

- A simple, full-stack, interactive blog website using the MERN stack and JWT authentication
- Includes email verification and password resetting
- Used CRUD operations, allowing users to create, read, update, and delete blog posts

Best Picture Oscars Predictor

- Trained a Logistic Regression and Random Forest model to predict the Best Picture award
- Looked into trends and patterns that makes a Best Picture winner
- Collected and cleaned data for model training with BeautifulSoup

SKILLS & KNOWLEDGE

Languages: Python, Java, C/C++, MySQL, Assembly (MIPS, LC3), Racket, HTML/CSS, JavaScript/Typescript, R

Technologies: React.js, Node.js, Express, MongoDB, Flask, Pandas, Scikit-Learn, Firebase, Docker

Developer Tools/ Skills: Jira, Agile, Git, TDD, Figma, Excel, Unix

Interests: Reading, Volleyball, Video games, Flute, Cooking, AI, podcasts