





Andrew Khadder

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EXPERIENCE

Software Engineer Intern

June 2024 – September 2024

Zscaler

San Jose, CA

- Dynamically created a **Visual Test Suite** using **Playwright** of over **400+ tests** using a custom built template
- Developed a **visual testing library** in Playwright to allow more **granular visual testing** for use by developers
- Enabled the team to identify and address UI regression, **significantly reducing manual QA effort by 80%**
- Created library to sync **Design Tokens** through **Figma REST API**, **reducing manual integration by 90%**

Software Engineer Lead

July 2024 – Present

DesignVerse UCR

Riverside, CA

- Spearhead a team of **20+ developers** in developing a **Next.js app** to drive UCR's premier design competition
- **Lead multiple workshops** focused towards Full Stack Development to help committee members contribute
- Design and maintain **Firebase noSQL database** to ensure security and efficiency for handling **500+ competitors**

Project Manager

April 2024 – Present

Association for Computing Machinery at UCR (ACM@UCR)

Riverside, CA

- Led the creation of an informational website for an AI club, **guiding a team of 10+ beginner developers**
- Manage the project repository, ensuring **efficient issue tracking and resolution** to maintain consistent progress
- Perform **Code Reviews**, ensuring best practices and consistent code quality before **merging Pull Requests**

PROJECTS

mood-ify | *Python, FastAPI, Scikit-learn, Dall E, ChatGPT*

github.com/khandrew1/mood-ify

- Developed a backend app that analyzes Spotify playlists and **generates custom AI art based on its mood**
- Built and trained **custom machine learning classification model** using track metadata and genre embedding
- Engineered modular ML pipeline for **preprocessing, feature extraction, training, evaluation, deployment**
- Integrated Spotify Web API for user authentication and dynamically retrieved playlist metadata to power analysis

Log Analyzer | *Next.js, Tailwindcss FastAPI, Python, Gemini AI API* github.com/khandrew1/log-analyzer

- A full-stack application that analyzes proxy logs, detecting anomalies, **leveraging AI for threat detection**
- Engineered FastAPI backend to handle file uploading, processing, and **analysis through Google Gemini API**
- Implemented **JWT-based authentication** flow to securely forward credentials to protect backend services
- Designed and built with **Next.js user interface** that features file uploading to dynamically display results

Musicify | *Next.js, OpenAI, Spotify API, tailwindcss*

github.com/khandrew1/musicify

- A website that uses the **GPT-3.5 AI Model** to help users decide what **music to listen to based on your mood**
- Implemented **OpenAI API** and **Spotify API** to help recommend music to users based on any text based prompt
- Facilitated seamless integration of APIs in order to efficiently deliver **personalized music recommendations**

Aurora | *Next.js, tailwindcss, Firebase, NextAuth*

github.com/acm-ucr/aurora

- A website that helps **streamline hackathon management** by providing a dashboard for users and admins
- **Currently in use by 5+ hackathon organizations** on campus to host, maintain, and promote their events
- Implemented **virtualized infinite scrolling** on all dashboard tables reducing server load and queries by **30%**

EDUCATION

University of California, Riverside

Riverside, CA

Bachelor of Science in Computer Science

September 2022 – June 2025

- Relevant Coursework: Computer Security, Edge Computing, Machine Learning, Discrete Structures, Formal Language and Automata, Computer Science I & II, Data Structures and Algorithms, Software Construction, Machine Organization & Assembly Programming

TECHNICAL SKILLS

Languages: Javascript, Typescript, C++, SQL, Python

Frameworks: Next.js, React, tailwindcss, Playwright, OpenAI, Scikit, FastAPI

Developer Tools: Git, Github, Firebase, Linux, VS Code, Storybook