

Alex Ross

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EDUCATION

San Jose State University

Bachelor of Science in Software Engineering – 3.7/4.0 GPA

Dec. 2025

San Jose, CA

WORK EXPERIENCE

Founding Engineer

Cinefind

Jun. 2024 - present

Los Angeles, CA (Remote)

- Designed database models, improving query efficiency by 20% and reducing storage usage by 25%
- Constructed full-stack development with Next.js, boosting website performance by 55% and SEO by 33%
- Created an administration dashboard to track user growth, event distribution, and business performance
- Implemented web automation with Python to streamline the sharing of movie screenings, enhancing audience reach
- Collaborated within an Agile team to incorporate user feedback, delivering iterative software enhancements

PROJECTS

Twitter/X Bot Detector

Python, Flask, Scikit-learn, Pandas, SHAP [\[Code\]](#)

- Engineered a machine learning pipeline that identified 80% of Twitter/X bots using a 1M-user benchmark dataset
- Collected data, performed feature selection, and preprocessed it to ensure high-quality input for model training
- Fine-tuned a Random Forest classifier using performance analysis and SHAP, improving bot recall by 15%
- Wrote a Flask API to use the trained model for real-time bot detection and feature explanation

Vinyl Bot

Python, Cron, Jinja [\[Code\]](#)

- Automated Python scripts with cron jobs to receive real-time email notifications for desired vinyl record releases
- Leveraged the Discogs API to retrieve and analyze user want-lists, streamlining the identification of desired records
- Integrated the Reddit API with r/vinylreleases to analyze 100+ record releases daily, ensuring timely notifications

Spotifyfy

TypeScript, Next.js, React.js, Tailwind CSS [\[Website\]](#) [\[Code\]](#)

- Built a web application with Spotify API integration, allowing users to create and play personalized Heardle games
- Incorporated a user-accessible popup to display all-time game statistics, enhancing user insights and experience

Split

TypeScript, Next.js, React.js, MongoDB, Prisma, Tailwind CSS [\[Website\]](#) [\[Code\]](#)

- Developed a web application for users to log workouts and track progress through dynamic data visualizations
- Streamlined login efficiency and security by integrating Google authentication

SKILLS

Languages: JavaScript, TypeScript, Python, Java, C, SQL, HTML, CSS

JavaScript Frameworks/Libraries: Node.js, Express.js, Next.js, React.js, React Native, Tailwind CSS

Python/ML Libraries: Flask, Scikit-learn, Pandas, SHAP, OpenCV, Transformers, Joblib

Database Technologies: MongoDB, MySQL, Mongoose, Prisma

Developer Tools: Git, GitHub, Jupyter Notebook, Figma, Postman, VS Code, Vercel

ADDITIONAL EXPERIENCE

Lead Basketball Instructor

Lifetime Activities

Jul. 2024 - present

Cupertino, CA

- Orchestrated basketball skills programs for children and teens, achieving 25% enrollment growth per eight weeks

Operations Manager

AMC Theatres

Aug. 2021 - Sep. 2022

San Jose, CA

- Conducted interviews, assessed candidates, and managed onboarding to seamlessly integrate new team members
- Led team members in training, provided performance reviews, and fostered professional development