# Andrew Kim

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## EDUCATION

**UNIVERSITY OF SOUTHERN CALIFORNIA – Los Angeles, CA**    *Graduation Date: May 2025*
**Bachelor of Science in Economics/Data Science, Minor in Artificial Intelligence Applications**
- Related courses: Machine Learning in Python; SQL Database Management; Data Visualization and Interface; Applied Neural Networks; Applied Machine Learning for Natural Language Processing
- Leadership: Music Inspiring Community President; USC Dear Asian Youth Finance Director
- Cumulative GPA: 3.8

## SKILLS

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|---|---|
| **Programming & Tools:** | Python, SQL, R, C++, Javascript |
| **ML Libraries & Frameworks:** | Scikit-learn, Tensorflow, PyTorch, Pandas, NumPy, OpenAI API |
| **Visualization & Analysis:** | Tableau, Excel, MatPlotLib, R Studio, Jupyter Notebook |
| **Technologies:** | FastAPI, Next.js, PostgreSQL, AWS, Git |

## WORK EXPERIENCE

**PROMETHEUS DATA, INC. – Los Angeles, California**    *Apr 2024 – July 2024*
*Web Data Analytics Intern*
- Developed backend database infrastructure by connecting frontend customer responses to AWS databases, streamlining a real-time data ingestion pipeline into analytics dashboards
- Engineered data transformation workflows of 10+ actionable KPIs to synthesize stakeholder insights into credit fraud detection models
- Managed high-paced project by coordinating full-stack development with marketing and design teams for web application deployment

**JUST LIKE MEDIA – Los Angeles, California**
*Web Engineering and Strategy Intern*    *May 2023 – Aug 2023*
- Enhanced user interaction and data accessibility in web application frontend through customer-centered data visualizations, contributing to a 200% increase in customer engagement and acquisition
- Collaborated on restructuring content pipelines and dashboard interfaces to improve data clarity, access speed, and end-user insight delivery

## PROJECTS

**CONCISELY: AI VIDEO SUMMARIZATION TOOL**    *May – July 2025*
- Built a full-stack, AI-powered web app (Python, FastAPI, Next.js, Typescript) that transcribes and summarizes video/audio content using OpenAI Whisper and GPT-4, reducing manual review time by 80%
- Engineered a transcript chunking and aggregation pipeline to handle long video inputs in respect to token limits, increasing program speed and accepted video lengths by 5x
- Deployed app with PostgreSQL DB, file uploads, and CORS-enabled client-server architecture

**USER PROFILE SEARCH ENGINE**    *Mar – May 2025*
- Designed and implemented a video game user profile search engine that integrates MongoDB and AWS DynamoDB databases to support fast, scalable querying and storage
- Developed a Python-based backend to process user search inputs, dynamically retrieve player statistics and metadata, and handle data ingestion into both databases

**ALCOHOL USAGE PREDICTION ANALYSIS**    *Nov 2024 – Dec 2024*
- Built predictive machine learning models using R, leveraging logistic regression with LASSO, random forest models, and PCA to identify key factors of alcohol effects on student GPA
- Achieved a 75.86% accuracy with random forest model; selected effective features for prevention program strategy