

# DIEGO ARTEAGA

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## EDUCATION

### California State University, Northridge

*Bachelor of Science in Computer Science*

May 2025

Northridge, CA

### College of the Canyons

*Associate in Computer Science, Associate in Mathematics*

June 2023

Santa Clarita, CA

#### Relevant Coursework in:

- Data Structures, Algorithm Design & Analysis, Software Engineering, Machine Learning, Data Mining, Database Design, Probability & Statistics, Web Engineering, Human-Computer Interaction, Networks & Security

## EXPERIENCE

### Video Editor & Analyst

Nov 2021 - Jan 2025

*Los Angeles, CA*

- Streamlined audio/video production workflows using **Ableton Live**, **Adobe Premiere Pro**, **Adobe After Effects**, and **Photopea**, demonstrating efficiency, adaptability, and technical proficiency in digital production tools
- Analyzed viewer engagement and performance metrics using **Pandas** and **Matplotlib**, uncovering trends that led to data-driven optimizations in content strategies, leading to over **7,000,000 views** and **25% increase in retention**

### Studio Musician

Nov 2021 - Dec 2024

*Los Angeles, CA*

- Collaborated with diverse teams of musicians in high-pressure studio environments, meeting strict deadlines while enhancing communication, teamwork, and problem-solving skills—directly applicable to agile management practices
- Utilized digital audio workstations (DAWs) and production software, demonstrating technical proficiency with complex software tools and an ability to learn new technologies quickly

## PROJECTS

### Spotify Clone | *React, Bootstrap, Node.js, Express.js, Vite.js, Axios, MySQL*

Feb 2025

- Redesigned my personal full-stack music streaming platform, originally built with **PHP** and **JavaScript**, using **React** and **Bootstrap** for a modern, responsive UI that improves user engagement
- Developed a **Node.js** and **Express.js** backend with a **MySQL** relational database, optimizing query performance and API response times, improving scalability and efficiency
- Implemented a real-time search bar that dynamically filters songs by title, artist, and album, reducing search latency by **30%** through optimized database queries and efficient state management

### COVID-19 Trend Analysis Tool | *Pandas, Matplotlib, scikit-learn*

Jan 2025

- Analyzed real-world COVID-19 datasets from **Kaggle** with **5,000+ records** to uncover trends in recovery and mortality rates across **20+ countries**, identifying key regional disparities
- Implemented data preprocessing with **scikit-learn's SimpleImputer**, improving dataset completeness by **20%**
- Visualized key insights using **Matplotlib**, leading to actionable findings on global health patterns

### AI Recipe Recommendation App | *React, Bootstrap, Vite.js, Hugging Face API*

Jan 2025

- Implemented state management, conditional rendering, and React hooks to dynamically handle user inputs and display AI-generated recipe suggestions, creating a seamless user experience
- Integrated the **Hugging Face API** to leverage AI for generating personalized recipe recommendations based on ingredients list, displaying detailed cooking instructions within an intuitive UI

## SKILLS

**Programming Languages:** Java, JavaScript, Python, SQL (MySQL), HTML/CSS, C++

**Frameworks/Libraries:** React, Vite.js, Node.js, Express.js, Bootstrap, NumPy, Pandas, Matplotlib, scikit-learn, TensorFlow

**Developer Tools:** GitHub, Visual Studio Code, Jira, Jupyter Notebook, Spyder, Anaconda, NPM, Docker, AWS

**Languages:** English, Spanish, Japanese