Diego Arteaga

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EDUCATION

California State University, Northridge — May 2025
Bachelor of Science in Computer Science — *Northridge, CA*

College of the Canyons — June 2023
Associate in Computer Science, Associate in Mathematics — *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 | *Los Angeles, CA* — Nov 2021 - Jan 2025

- 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 | *Los Angeles, CA* — Nov 2021 - Dec 2024

- 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

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**
- Developed a **Node.js** and **Express.js** backend with a **MySQL** relational database for efficient data management, improved scalability, and **API** efficiency
- Designed a real-time search bar to dynamically filter songs by title, artist, and album, reducing search time by **30%**

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
- 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* — 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++, PHP
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