

Diego Arteaga

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EDUCATION

California State University of Northridge | B.S., Computer Science May 2025

- Cumulative GPA: 3.93

College of the Canyons | A.S., Computer Science; A.S., Mathematics June 2023

- Cumulative GPA: 3.96 | **Honors:** summa cum laude

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 & Performance 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 software development

PROJECTS

COVID-19 Trend Analysis Tool | NumPy, 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, Vite.js, JavaScript 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

Spotify Clone | SQL, PHP, Apache, JavaScript Dec 2024

- Developed a real-time search bar with **JavaScript** to dynamically filter songs by title, artist, and album, enhancing user interactivity and overall **UX design** while reducing search time by **30%**
- Designed a **MySQL** relational database to store and retrieve song, artist, & album data, supporting scalable queries
- Built a responsive **full-stack application** using **PHP** for server-side logic, integrated with a dynamic front-end developed with **HTML, CSS, and JavaScript** to focus on **UI design**

SKILLS

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

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

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

Languages: English, Spanish, Japanese