

# DIEGO ARTEAGA

☎ (661) 219-4382 | ✉ [darteaga520@gmail.com](mailto:darteaga520@gmail.com) | 🌐 [darteaga.me](https://darteaga.me) | 🏠 [github.com/d-arteaga](https://github.com/d-arteaga)

## 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 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

### Agricultural IoT & Machine Learning Platform | *React, Next.js, Firebase, Pandas, Node.js*

Jan 2025 - Present

- Developing an **IoT-driven agricultural platform** in a team of 12 students to help cocoa bean farmers monitor weather conditions and optimize crop health for better crop yields
- Building a real-time dashboard with **React**, **Next.js**, and **Bootstrap**, integrating Arduino sensor data via **Firebase**
- Leveraging **Python** and **Pandas** for processing environmental data collected from physical sensors
- Collaborating with a machine learning team working on predictive models for plant sickness and crop growth

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

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 **MySQL**, optimizing query performance and API response times
- Implemented a real-time search bar, dynamically filtering songs and reducing search latency 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**, 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