

Isaiah Martinez

Porter Ranch, CA | EZRA-DVLPR@protonmail.com
<https://www.linkedin.com/in/ezra-dvlpr/>
github.com/EZRA-DVLPR

Experience

Student Instructor

Frost Equity Initiative

San Fernando Valley, CA

March 2025 – May. 2025

- Taught basic robotics and game design to students

Undergraduate Research Assistant

East Carolina University

Greenville, NC

May 2022 – Aug. 2022

- In MATLAB wrote several scripts that automated EEG preprocessing
- In R wrote a script performing Statistical Analysis from the preprocessed data
- Poster Presentation on the project at the BMES National Meeting 2022
- Provided coding assistance to other members of the REU

Plasterer

Pyramid Plastering

Sun Valley, CA

Jan. 2019 – Aug. 2020

- Helped with the transportation of materials to job sites
- Cleaned vehicles and maintained tidy workspaces
- Manual Labor including carrying objects over 50 lbs.

Martial Arts Instructor

Koryo Martial Arts

Porter Ranch, CA

Jan. 2016 – Dec. 2018

- Taught Self-Defense techniques to people ranging from ages 4-60+
- Responded to inquiries and addressed concerns of parents
- Tested students' knowledge and understanding
- Awarded belts to students demonstrating proficiency of the material

Education

California State University - Northridge

Master of Science in Computer Science

Northridge, CA

Aug. 2023 – Dec 2024

California State University - Northridge

Bachelor of Science in Computer Science and Mathematics

Northridge, CA

Aug. 2018 – May 2023

Technical Skills

Languages: Python, R, Java, C/C++/C#, JavaScript, HTML, MATLAB, Go, TypeScript, LaTeX, CSS, SQL, PHP

Frameworks: MongoDB, Express, React, Node.js, TailwindCSS, Next.js, NestJS

Developer Tools: Git, Neovim, VS Code, Visual Studio, ffmpeg, Unity, Unreal Engine, Jira, Jupyter Notebook, Microsoft Office Suite (Excel, Powerpoint, Word), PostgreSQL, SQLite, DaVinci Resolve,

Libraries: OpenPyxl, Requests, ArgParse, BeautifulSoup, Pandas, NumPy, Matplotlib, Scikit-learn, Pillow

Projects

Real Time Traffic Modeling <i>Python, Unity, TomTom API</i> <ul style="list-style-type: none">• Script that connects to TomTom API• Obtains Real Time Traffic data• Utilizes CMD line to run	Jan. 2024 – May 2024
File Sharing Website <i>React, MongoDB, Express, Node.js</i> <ul style="list-style-type: none">• Frontend and Backend for website• MongoDB connectivity• User-focused design for enhanced UX	Jan. 2024 – May 2024
Music Recommendation Service <i>Python, DL, ML</i> <ul style="list-style-type: none">• ML and DL used for Model Creation• Uses User Music Interaction data to predict user interest	Feb. 2024 – May 2024
Minesweeper 3D <i>Unity, Unity Free Assets</i> <ul style="list-style-type: none">• Music, Sound FX, Menus• Object Assets created by Hand	Feb. 2024 – Mar 2024
Animal Image Classification <i>Python, ML, DL</i> <ul style="list-style-type: none">• ML and DL used for Model Creation• Scikit-learn for Model Evaluation and analysis• Pillow used for Image processing	Oct. 2023 – Dec. 2024
Personal Website <i>TS, JS, HTML, CSS, Next, TailwindCSS</i> <ul style="list-style-type: none">• Hosted with Vercel	Jan. 2023 – May 2024
GameList <i>Python, Excel</i> <ul style="list-style-type: none">• Web Scrape Google Search from txt file• Connection to howlongtobeat.com for data scraping• Inserts data into XLS• Modifies XLS based on user input – sorting, coloring	Feb. 2023 – Present
2D Game <i>Unreal Engine, Blueprints, GarageBand, JavaScript</i> <ul style="list-style-type: none">• Design and Created enemies and a level• AI created for enemies• Created and mixed all sound effects and music• Created website for the project	Aug. 2022 – May 2023
The Crucible <i>Python, Frame.io API, ffmpeg, MongoDB, Excel</i> <ul style="list-style-type: none">• Built in automation script using Python that automates 4 manual positions in seconds• Reads proprietary data from Baselight and Flame machines to calculate filesystem locations of frames• All requests saved to database and can be used for data analysis and work efficiency• Exports are basic CSV files to XLS files with timecode and thumbnail preview that can be uploaded to Frame.io	Feb. 2023 – May 2023
PuzzledUp <i>JavaScript, MongoDB, Express</i> <ul style="list-style-type: none">• Handled API connectivity between server and database• Set up Database and Models that would be used• Designed connectivity between frontend and backend servers	Oct. 2022 – Dec 2022