

JERICO MATA

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SKILLS

- Languages: Python, C, C++, C#, JavaScript, HTML5, CSS3, SQL, JSON, MATLAB, GO, RUST
- Software: Flask, Django, Express.js, Node.js, React, AWS, Firebase, Heroku, Git

WORK EXPERIENCE

Full Stack Web Developer Internship

May 2021 - Sep 2021

Freestand

Remote

- Integrated **Cloud Firebase** storage, allowing users to directly upload multiple .jpg, .png, and .mp4 files to their own profile pages and drag the files into respective subsections to improve **UI/UX**
- Successfully engineered a full stack **CRUD** web application to teach financial literacy using **React**

Game Developer Internship

Feb 2020 - Apr 2020

Green Science Games

Davis, CA

- Developed a game based on Plants versus Zombies using **Unity** and **C#** to help facilitate K-6 students' environmental habits and advance their learning
- Assisted the debugging team by working closely with elementary students and handled issues related to live-image captures and dynamic image renders to improve the **UI**

Website Designer (UI/UX)

Oct 2018 - Jun 2019

Finesse Apparel

Sacramento, CA

- Created the brand and took on multiple roles by creating company logos as well as delivering an attractive, and user-friendly website
- Oversaw a team of 4 developers, acting as the project manager for platform transition and developed concepts, target audience, requirements, deadlines, and budgets

PROJECTS

BudgetBetter | HackCWRU 2022: FinTech Track, 1st Place

Mar 2022

Python, Flask, JavaScript, HTML, CSS, React, Node, Docker

[DevPost](#) | [Live](#) | [Github](#)

- Implemented Plaid's **API** calls to retrieve banking data from over 2000 institutions then categorized the transactions into 4 dynamic webpages using **JavaScript** and deployed on **Heroku**
- Integrated **React** and **Flask** to store transactional data for each user into a dedicated database and to improve **UI** for quicker load times when navigating through the website
- Utilized **JSON Web Tokens** to authenticate users when retrieving data from the **API** in order to protect users' identity and transaction history

Music Genre Prediction and Web Application

Apr 2022 - Jun 2022

Python, Flask, JavaScript, HTML, CSS, React, MLP Classifier, KNN, SVM

[Demo](#) | [Github](#)

- Successfully created a **Neural Network** and a **Multi-Layer Perceptron** model using **Python** that yielded 68% accuracy in determining the correct music genre
- Led the web application team to build the frontend using **React** and a backend using **Flask** that receives an audio file, extracts features, runs the model, and sends the prediction

Vestibular Migraine; AI Approach to Evaluate for UC San Diego

Jul 2022 - Present

Python, Deep Learning, NLP

[Github](#)

- Utilized **Python** to scrape and extract over 120,000 Twitter tweets with Vestibular Migraine symptoms
- Constructed an **NLP** model using extracted data from Twitter to evaluate patient diagnosis severity

EDUCATION

University of California, Davis

Sep 2022

Bachelor of Science in Computer Science and Programming

Davis, CA

- Coursework in object oriented programming (Python, C, C++), A.I., Deep Learning, Algorithm Design
- Director of Davis Computer Science Club and Director of Pan-Ethnic Cultural Organization