

Marlynn Garcia

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SKILLS

Languages: Python, Java, C++, JavaScript, TypeScript, SQL, HTML, CSS, XML

Technologies and Libraries: React, Flask, Django, Node.js, Android Studio, MySQL, PostgreSQL, SQLAlchemy, Linux/UNIX, Git/GitHub, REST APIs, AJAX, JSON

RELEVANT PROJECTS

Games-o-lotl

- Video game discovery application using **TypeScript, HTML, CSS, React, Vite**, and **Node.js**
- Implemented a responsive user interface using React and Vite to optimize user engagement, with Axios providing seamless integration with external game databases for real-time data retrieval.
- A Node.js server was built to manage requests and facilitate data exchange between the frontend and APIs. Additionally, filtering and sorting options were implemented, allowing users to discover games by genre, release date, and ratings.

Rooting for You

- A garden planning application built using Python, HTML, CSS, and Flask enables users to track plant growth, plan layouts, and receive personalized gardening tips.
- User authentication was implemented using the Python Argon 2 library. Data persisted in a PostgreSQL database designed using SQLAlchemy for efficient data management.
- A Flask server was built to manage requests and facilitate data exchange between the frontend and backend database in order to store user garden information and retrieve gardening tips.

Class Roster

- Implemented using **C++** to demonstrate proficiency in syntax and data structures, this application enables users to manage a current roster of students within a course.
- The application manages student information, while employing fundamental programming concepts such as variables, data types, control structures, arrays, pointers, memory management, functions, and object-oriented programming.

Mensi

- Developed a menstrual cycle tracking application using **Java** and **Android Studio** to provide users with an intuitive platform for monitoring their menstrual health.
- Features user-friendly navigation, reminders for cycle-related events, personalized insights, and health tips, while **Google Firebase** securely manages user data.

Personal Portfolio

- Personal portfolio deployed via **Heroku**. Built using **Python, HTML, CSS**, and **Flask** to showcase professional and full-stack development skills and projects.
- Utilizes Flask as a backend to efficiently handle requests while responsive web pages optimize the user's experience.

EDUCATION

Western Governors University

BS, Computer Science

Present

Hackbright Academy

Full-Stack Software Engineering Fellowship

July 2022

The University of Texas at El Paso

MS, Biology

December 2020

The University of Texas at El Paso

BS, Microbiology

May 2018