Marlon Martin

Aspiring engineer committed to the development of resilient software applications. With a strong focus on quality and performance to design and build robust solutions that can withstand the demands of real-world scenarios.

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Experience

Bachelor of Science in Information Technology
Pamantasan ng Lungsod ng Pasig
August 2022 - Present
Relevant Technologies: Java, Python, C++, MySQL,

- Participated in Academical Competition in Java Competitive Programming.
- Demonstrated strong collaboration skills within a six-member team to develop an engaging game. Took the lead in implementing functionalities for a Ping Pong game using C++ and SFML Library.
- Led the architecture, design, testing, and development of a comprehensive full-stack system application for Verdant Vibes, an e-commerce plant shop. Leveraged Java and implemented a local database to deliver a highly functional platform featuring robust user authentication, an efficient add-to-cart system, streamlined shipping parcel management, an intuitive shipping tracker, and powerful search functionality.
- Led the development of the PLP university portal with integrated Google Classroom features as part of our case study. Utilized Visual Basic .NET for the frontend and MySQL for the backend, ensuring a seamless user experience and a robust backend infrastructure.
- Led the development of the Bunch Dental System as part of our case study. Utilized Visual Basic.NET and MySQL to create a robust dental management solution, showcasing modern software development expertise. Integrated advanced features like an admin dashboard and form fill-up confirmation system for enhanced operational efficiency.
- Led pivotal role in pioneering machine learning project addressing critical challenges in carbon monoxide (CO) emissions. Developed precise monitoring and prediction methodologies, utilizing Python and various libraries including Matplotlib, Seaborn, NumPy, and Scikit-learn. Analyzed diverse datasets to forecast CO concentrations accurately, demonstrating expertise in data analysis and environmental research.

TVL - ICT Programming
August 2020 - June 2022
Rizal High School
Relevant Technologies: HTML, CSS, Javascript, Java, MySQL

- JDVP Passer
- Developed a cloned front-end website of Vans using HTML, CSS, and JavaScript.
- Led the architecture, design, and development of a comprehensive full-stack system for JMAA, a car rental management system. Leveraging my expertise in Java and MySQL for the database, I engineered a robust platform that seamlessly facilitated car rental and return processes, streamlined car status tracking, and delivered outstanding customer service.

Personal Project

Inspirify
Github: github.com/decimozs/inspirify
Relevant Technologies: Go, C

- Inspirify is a command-line application that generates random quotes to provide inspiration and motivation. This CLI tool allows you to receive a fresh dose of wisdom and insightful quotes with every run.

Decimo AI
Github: github.com/decimozs/decimo-ai
Relevant Technologies: React, Vite, Express, Node, OpenAI

- Decimo AI is a full-stack web application, meticulously crafted, showcasing a simple yet sophisticated chat interactive bot, seamlessly integrated with the OpenAI API.

ART
Github: github.com/decimozs/art-cli
Relevant Technologies: Java

- ART is a command-line application tool for assessing algorithm performance directly from your command line interface. Whether you're a seasoned software developer, a computer science student, or simply curious about algorithmic efficiency, this versatile tool empowers you to analyze and compare execution times across various algorithms with ease.

Education

Pamantasan ng Lungsod ng Pasig
Bachelor of Science in Information Technology
2022 - Present
Awards: Dean Lister's

Rizal High School
TVL - ICT Programming
2020 - 2022
Awards: Best Presenter, Overall Best System, Best System Functionality, Best System Design

Skills

Programming Language: Typescript, Go, C++,Java, Python.

Libraries & Frameworks: React, NextJs, Tailwind, Drizzle, Supabase, Node, MySQL, Pandas, Numpy, Matplotlib Seaborn.

Tools & Platform: Git, Github, Figma, Neovim