

Jose Alberto M. Aguirre

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Education

Mapúa Malayan Colleges Laguna

- Bachelor's Degree, Computer Science

AUG 2019 - JUN 2023

Adventist University of the Philippines

- Science, Technology, Engineering, and Mathematics (STEM)

AUG 2017 - MAR 2019

Skills Summary

Software Development

- Python** - Experience in data analysis through the use of numpy, scipy, matplotlib, and scikit-learn. Experience in training object detection models and integration to web applications
- C#** - Experience in developing feature-rich ASP.NET web applications from front-end to back-end. Experience in developing simple games with movement-based controls through the use of Unity. Experience in developing Android applications through the use of Xamarin.
- JavaScript** - Experience in developing React web applications alongside Node.js for front-end and back-end.
- HTML and CSS** - Experience in developing responsive websites with accompanying CSS for better user experience.
- Database** - Experience in MSSQL and MySQL for designing tables, establishing relationships, and extracting information for data analytics.
- Developer Tools** - Visual Studio, Visual Studio Code, Unity, Jupyter, Git.

Problem Solving

Able to solve complex problems that require software development as well as understanding the problems in software errors for debugging.

Creativity

Able to come up with fresh ideas for new softwares that can be beneficial to the public. Experience in graphic design, video editing and photo editing.

Projects

Counterfeit Over-The-Counter Medicine Detector

AUG 2022 - JUN 2023

- A web application that allows user to detect medicine authenticity. It utilizes YOLOv5 framework for object detection and Python Flask for the Website.

FoxTales Online Book Selling System for Android

MAY 2022 - JUN 2022

- A mobile application that has a book selling system and user functionalities. It was developed using Xamarin for the application, and PHP for REST API and connection to the database.

DSA Visualizer

FEB 2022 - JUN 2022

- A web application that offers visualizers for Data Structures and Algorithms. It has a user system, a quiz feature, and a back-end webpage for webmasters to see analytics, comments, and users. It was developed with the use of ReactJS, NodeJS, Express, and MSSQL.

Aguirre's MP Game Demo Thingy!

FEB 2022 - MAR 2022

- A mobile game with simple game mechanics like character movement, collection of items, and level progression. It was developed using Unity and utilizes MySQL for database.

FoxTales Online Book Selling System

NOV 2020 - FEB 2021

- A web application that has a book selling system, user functionalities, and back-end for webmasters. It was developed using the ASP.NET framework.