Alexander B. Maiso

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EDUCATION

University of Mindanao   **Philippines, Davao City**

Bachelor of Science in Computer Engineering | 2019 - 2025

- Studied the integration of hardware and software systems, including digital electronics, embedded systems, programming, networking, and computer architecture, with hands-on experience in designing and developing real-world tech solutions.

Lafilipina Senior High School   **Philippines, Tagum City**

Science, technology, engineering and mathematics (STEM) | 2017 -2019

- Graduated with a cumulative GPA of 3.9 / 4.0, equivalent to a 94% general average.

WORK EXPERIENCE

C & L Physiotherapy Clinic   **Australia**

Zoho CRM | Wordpress Web Dev (Remote) | Aug 2021 - Feb 2023

- Optimized Zoho CRM to streamline client management and improve clinic workflows.
- Built and maintained WordPress site on Bluehost for strong performance.
- Developed custom WordPress plugins tailored to clinic-specific functionality needs.
- Ensured reliable website uptime and implemented SEO best practices for visibility.

Remotask   **Remotask Flatform**

Super Reviewer | Oct 2019 - July 2020

- Specialized in reviewing and quality-checking 3D LiDAR data annotations for self-driving car projects to ensure precision and accuracy.

SOFTWARE DEVELOPMENT PROJECTS

- **GadgetPay Installment Sales System -** Developed in VB.NET with MySQL, featuring user registration, loan tracking, and admin dashboard for lending.
- **Lost and Found System – UM Matina -** Built in C++ with MySQL, featuring login, search, and admin dashboard for lost-and-found management.
- **Recreated the Lost and Found System – UM Matina -** Rebuilt in Java using OOP principles with MySQL backend, improving modularity, UI, and data management.
- **Pawlitrax™ -** Mobile app using Flutter, PHP, and MySQL to monitor cat litter and automate cleaning via AI.
- **My Website Portfolio -** Responsive React app with Tailwind and localStorage CRUD, deployed on Vercel for fast client-side performance.

ENGINEERING PROJECTS

- **Line Follower Robot -** Designed and built a microcontroller-based autonomous robot that follows a line using infrared sensors. Showcased skills in **embedded systems, sensor integration,** and **logic design**, reinforcing a strong engineering and problem-solving background.
- **Doorlock System using Custom PCB and Arduino -** A security-focused project featuring an electronically controlled doorlock built with a custom-designed PCB and Arduino microcontroller.

Integrated with a numpad for PIN code entry and RFID authentication, demonstrating embedded system design and secure access control through hardware interfacing.

- **Machine Learning (AI)**- A thesis-based project that uses computer vision to detect cat waste before triggering the mechanical cleaning system of our smart litter hardware. Implemented with **Python, OpenCV, and YOLOv11**, using a custom-labeled dataset and integrated with microcontroller-based automation for real-time response.

CERTIFICATIONS

- **IT Customer Support Basics**
- **Networking Basics**
- **MySQL from scratch for Data Science and Analytics**
- **Foundations of Cybersecurity**
- **CRM with Hubspot**
- **Getting started with Google Workspace**
- **Introduction to Laravel**
- **Step-by-Step guide to Image Classification**

SKILLS & INTEREST

- **Languages:** English ,Tagalog
- **Hobbies:** Chess, Video Games, Camping, Meditation

TECHNICAL SKILLS

- **Languages:** HTML, CSS, JavaScript, PHP, Dart, C++, Java, [Vb.NET](Vb.NET), Python
- **Frameworks/Tools**: React, Flutter, WordPress, MySQL, Git, Firebase, Laravel
- **Dev Tools**: WordPress, VS Code, XAMPP, Postman, GitHub, WAMP, DevC++, NetBeans

REFERENCES

LEM VILLANUEVA
Site Acquisition Officer
LEFERCON GOLDEN Construction, Davao City
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Mcdonalds Manager
Mcdonalds Visayan, Tagum City
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