Alecxander Jamille Andaya

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Skills and Interests

Technical:

- Programming: Flutter/Android Studio, C++, Python, Java, C#, HTML, CSS, JS, Node JS, Next.js, React, SQL/MySQL, Laravel, PHP, Firebase
- AI-Robotics: Arduino, OpenCV, Neural Networks, AI Integration
- Project Management: Provide technical guidance on several projects to non-technical students

Languages: English (Fluent)

Interests: Robotics/IoT Devices, Software Development, Computer Vision, AI Development/Integration

Experience

Callbox Inc.   Avescor Motors Building, Second, M.H,
Software Developer Intern   Molo, Iloilo City

January 20, 2025 - April 24, 2025

- Developed a chatbot using Gemini API to help agents in their technical queries. The conversations are also saved in a local database using MySQL.
- Developed PDF generator for use in client relations.
- Developed a feature in the Callbox portal to perform CRUD operations on their data stored in a MySQL database.
- Maintain integral in house software applications to be used by the agents to streamline their work.

Philippines Startup Challenge 9   Iloilo City, Iloilo

Regional 3rd Place

October 21, 2024

- Developed and presented Access Assist, an AI-powered solution aimed at enhancing accessibility for individuals with disabilities through smart wheelchair technology.

Robotic/IoT Devices Consulting   Banga, Aklan

April 2024 - May 2024

April 2023 - May 2023

- Consulted for BSN students at Aklan State University for their Informatics subject in making IoT devices utilizing Arduino and several modules and sensors.
- Developed IoT devices and planned the schematics for the projects.

Cyb Robotics Organization   Iloilo City, Iloilo

Board Member for Research and Development

February 2023 - June 2024

- Managed multiple robotics projects, including the development of a water quality monitoring system and developed personal robotics projects like RFID and RC car development.
- Developed projects that would introduce and boost the organization's reputation and notoriety.
- Facilitated in a 1 month internship program for the Korean delegates from Jeju University focused on Smart Farming.

Projects

Inkwell   July 2025

Inkwell is an AI-powered web application built with Laravel that generates professional, personalized cover letters in seconds. Simply upload your resume (PDF), paste a job description, and choose your preferred writing style. Inkwell uses Google Gemini AI to craft a tailored cover letter, which you can edit in the browser and download as a PDF.

Spotify AI Playlist Generator   March 2025

A web app that uses the Spotify API together with the Gemini API to come up with a playlist based on a prompt that you provide it with. It then generates a list of the songs based on your prompt and automatically creates the playlist on your Spotify account where you can listen to it.

Neurowarn   November 2023 - November 2024

Our university thesis project that uses Emotiv EEG headset technology to collect real time brainwave data. It is also connected to an electric wheelchair which the user can control only with their mind. My role was to develop an RNN-LSTM model to predict the incoming brain waves to make sure that the next movement direction they will take will not have any obstacles ahead and warn them if there are any.

Badyet   October - December 2022

A budgeting app developed using Flutter. This app is designed for students to manage their weekly expenses by providing their desired budget for the week which the app uses to calculate how much to spend each day. It also keeps track of the items/expenses you have each week.

Siquijor Promotional Site   April - May 2021

A simple HTML, CSS, JS informative website designed to promote tourism in Siquijor, Philippines. It features landmarks, foods, fun activities, and information about Siquijor and all its wonders.

Education

West Visayas State University   Iloilo City, Philippines
BS in Computer Science, Major in Artificial Intelligence
GWA: 1.37 (Magna Cum Laude)
Graduated: June 13, 2025
Thesis: NeuroWarn BCI: Enhancing Safety in EEG-Controlled Wheelchairs with an RNN-Based Warning System

STI College Kalibo   Kalibo Aklan, Philippines
Information and Communication Technology Strand (Mobile App and Web Development)
2019-2021
With High Honors

Garcia College of Technology Inc.   Kalibo Aklan, Philippines
2015 – 2019
With Honors