Noriel Fulgencio
Software Engineer

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Education

West Visayas State University
Bachelor of Science in Information Technology
- Major in Software Technologies

June 2021 - June 2025
Silver Medalist - GWA 1.34

Thesis: "Zonify: A Web-Based Remote Sensing Analysis System for Land Zoning, Use Classification, and Opportunity Zone Recommendations"

Pre-Work Experience

Global Business Power/Meralco PowerGen
Intern

Feb - May 2025

- Utilized company data to forecast trends and support predictive analysis
- Conducted vulnerability assessments and penetration testing (VAPT) for cybersecurity evaluation
- Configured network switches, set up VLANs, and performed cable crimping for infrastructure support
- Monitored the status and performance of the company's website and internal systems
- Assisted with administrative tasks including onboarding of new employees and creation of company email accounts

Project: Zonify - Web-Based Remote Sensing for Land Zoning and Land Use Classification
Full Stack Developer

Dec 2023-Nov 2024

- Developed a web-based system that integrates remote sensing data to classify and recommend land zoning usage (agricultural, residential, and industrial).
- Designed and built both front-end interfaces (HTML, CSS, JavaScript, Leaflet.js) and back-end APIs using Flask and MySQL.
- Implemented machine learning models for image-based land use classification using TensorFlow.
- Enabled real-time data visualization and dynamic classification updates via interactive mapping features.

Skills

Programming Languages :	Python, JavaScript, PHP, TypeScript, Java, Dart, C++, C#
Frameworks & Libraries:	Flask, Tensorflow, Keras, Bootstrap, React(basic)
Web Development Tools:	HTML, CSS, Git, GitHub, VS Code, Restful API
Database:	MySQL, Firebase
DevOps Tools	XAMPP
Cybersecurity:	Kali Linux, Vulnerability Assessment and Penetration Testing
Machine Learning/AI	TensorFlow, Keras, Convolutional Neural Networks (CNN)
Data Analytics & Forecasting:	Forecasting Techniques, Data Visualization (basic)
Soft Skills:	Strong problem-solving and critical thinking, adaptive and eager to learn new technologies, effective communication and collaboration.

Projects

Full-Stack Developer   **2024-Present**
Zonify: A Web-Based Remote Sensing Analysis
System for Land Zoning, Use Classification, and
Opportunity Zone Recommendations

CTO | Founder   **2024-Present**
Hydroq: IoT-Mobile Application for Plastic-
Microplastic Waste Collection and Filtration
- Top 10 Finalist
- Best in Green Tech

Full-Stack Developer   **2024**
WVSUpplies: Asset Management System

Full-Stack Developer   **2024**
PawPatrol: Pet Lost and Found Mobile
Application

Full-Stack Developer   **2023**
CICTScape: Room Reservation Mobile
Application

Full-Stack Developer   **2023**
CICTScape: Room Reservation Web Application

Certifications

Information Assurance and Security 2 (CISCO)   **2024**
- Fundamentals of cybersecurity, covering risk management, threat
  analysis, and security best practices.

Information Assurance and Security 1 (CISCO)   **2024**
- Advanced network security techniques including firewall
  configuration, IDS/IPS, and secure system design.

Networking 1 (CISCO)   **2023**
- Core networking principles including IP addressing, subnetting,
  device configuration, and network protocols using Cisco tools.