DARYL HANS OCAO

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Education

Bestlink College of The Philippines — Quezon City, Philippines

Bachelor of Science in Information Technology, Major: Information Security — June, 2025

Thesis: Local Government Unit 1: Emergency Response and Disaster Management System (AI Chat Assistant, Real-time Emergency Alerts, Community Portal, and GIS-Integrated Emergency Support Operations)

Relevant Coursework: Research Festival Champion, Presented original research at the — May, 2025
Research Multidisciplinary Festival, winning first place among participants from all courses.

Experience

Municipal Police — Rizal, Philippines

IT Staff — October, 2023 – February, 2024

- Provided technical support for hardware, software, and network systems, ensuring smooth daily operations.
- Assisted in system maintenance and troubleshooting, reducing downtime and improving efficiency.
- Supported data management and documentation tasks to ensure accuracy and compliance with organizational requirements.

Projects

Donation Web and Mobile System | LAMP Stack — October, 2023 – February, 2024

- Designed and developed core system features for both web and mobile platforms, improving overall usability.
- Coordinated cross-functional team of 5 members by assigning tasks, monitoring progress, and resolving blockers, ensuring smooth collaboration and continuous workflow efficiency across all phases of the project.
- Conducted sprint reviews and retrospectives to improve processes and team productivity.
- Facilitated clear communication between stakeholders and developers by gathering requirements, clarifying expectations, and providing regular updates, ensuring the final system aligned seamlessly with both technical specifications and user needs.

LGU1 Risk Reduction System | MERN Stack — July 2024 – March, 2025

- Designed and implemented responsive front-end interfaces with React, ensuring accessibility, usability, and seamless interaction across different devices for both community users and LGU staff.
- Developed and tested API endpoints to support real-time updates and data synchronization, enhancing overall system reliability and user responsiveness during emergency events.
- Conducted research on LGU disaster risk management practices and requirements, ensuring that the application's features aligned with real-world processes and practical use cases.
- Managed task allocation, progress tracking, and sprint planning using Agile methodology, maintaining project alignment and ensuring consistent delivery of functional outputs.

Skills & Interest

Technical: Python (Intermediate), C++ (Intermediate), Java (Intermediate), C language (Intermediate), MERN Stack (Intermediate), LAMP Stack (Intermediate)

Language: English | Filipino

Laboratory:

- Data analysis with Python (Pandas, NumPy, Matplotlib)
- Research documentation and reporting tools (LaTeX, MS Office Suite)
- Requirements gathering and system design documentation

Interests:

- Exploring emerging technologies such as Artificial Intelligence and Machine Learning
- Playing strategy games and sports to strengthen problem-solving and teamwork skills
- Exploring emerging technologies such as Artificial Intelligence and Data Science