



Erl John R. Montaña

Bachelor of Science in Computer Science
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EDUCATION

•University of the Philippines Cebu

2022 - 2026

Bachelor of Science in Computer Science

•University of the Philippines High School Ceby - Senior Secondary

2021

Graduated with High Honors

PROJECTS

•Mimiz

Python, Pygame

<https://github.com/ermontano/Mimiz>

- Mimiz is a charming cat-themed maze game built with Python and Pygame. Mazes are dynamically generated using Prim's algorithm, and the cat's journey through the maze follows depth-first search (DFS) logic.
- This academic project is a fully functional game that could be deployed with minor adjustments to the hitboxes of in-game entities.
- Some of the assets were done manually using my account in <https://www.pixilart.com/poppin-pixel>
- Here are some of the features of the game: You can choose 4 different cats/characters, Choose a difficulty and start solving the game.

•SuplAi

Python

<https://github.com/ermontano/SuplAI>

- A hackathon project, developed an AI-powered inventory management application for restaurants and fruit suppliers. The app uses image recognition to assess fruit freshness, predicting spoilage and helping businesses optimize stock management and reduce waste.
- Designed and built the frontend interface for an AI-driven inventory app, enabling users to capture and analyze fruit freshness for better stock decisions.

•UPLoad

CSS, JavaScript(Vue).

<https://github.com/ctrlsolutions/upload>

- Developed a web application for faculty members to manage and generate accomplishment reports. Key features include a dashboard with graphical overviews, a personal profile page for viewing information, and automated report generation.
- Handled design and frontend development for a web app that provides dashboards, profile views, and automated accomplishment report generation for faculty members.

•Layman's Law

CSS, JavaScript(React and Next.js).

<https://github.com/ctrlsolutions/laymans-law>

- Designed a web application where citizens can request legal assistance from lawyers online. Lawyers can browse and accept cases, reference a built-in legal wiki, and engage in a dedicated forum to discuss cases and contribute translations and summaries to the wiki.
- Web app also enables citizens to request legal help from lawyers. Included features: case management, and submit legal cases and receive help from participating lawyers.
- Led the UI/UX design and handled frontend development for a platform that enables citizens to request legal help, featuring a legal wiki, a lawyer discussion forum, and case management tools.

EXTRA CURRICULARS

•UPCSG Komsai Week Hackathon 2025

March 2025

Team CTRL+A

- Created a web app named "SuplAi" for sustainable inventory management to lessen any surplus or leftover for sustainability which is the team for the event
- Integrated AI into the web app for spoilage prediction using image recognition, enabling suppliers to accurately determine optimal supply timings for food industries.
- Integrated AI to predict stock levels based on spoilage data, helping owners determine the optimal ordering dates for replenishment.
- The project placed 8th out of the 18 groups that participated the event.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Javascript, HTML+CSS

Libraries : Next.js, Vue.js, ReactJs

Web Dev Tools: VScode, Git, Github

Frameworks: Vue.js, React, Next.js

Relevant Coursework: Software Engineering and System Design.

Areas of Interest: Web Design and Development, Frontend Development.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability