



YOHAN T. DELLUPAC

CONTACT

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SKILLS

TECHNICAL SKILLS

Development:

- Python, JavaScript, C++, HTML, CSS, PHP, GDScript

- Databases:** MySQL, SQLite, MongoDB

- Tools & Hardware:** Git, React, Node.js, Express, MongoDB, Git, Godot Engine, Blender, Computer Hardware Literacy

- Networking:** Networking Fundamentals and Troubleshooting (Cisco)

SOFT SKILLS

Leadership, Collaboration, Communication, Problem Solving, Critical Thinking, Adaptability, Quick Learner



PROFILE

A 4th year BS in Computer Science student seeking an On-the-Job Training opportunity to apply skills in problem solving, as well as software/system development in a professional environment. A consistent top ranker and President's Lister from Pampanga State University, and an agile learner committed to continuous professional development.



PROJECTS AND ACADEMIC EXPERIENCE

Stragem

(September 2024 - November 2024)

- Developed backend API to fetch, validate, and store in-game data from Riot Games to a database
- Preprocessed and structured collected data into logical segments for use by the LLM
- Debugged login and signup system for the web application (backend authentication logic, database integration)
- Deployed the web application using Vercel from a GitHub repository

A 3D Narrative Game About Filipino Mythological Creatures and Good Morals Using Procedural Level Generation Algorithms

Thesis/Capstone Project (February 2025 - November 2025)

- Coordinated tasks and reviewed code as a lead developer to ensure software quality
- Conceptualized and developed game mechanics and core systems
- Engineered a procedural level generation algorithm for the game
- Fine-tuned generation parameters such as border constraints and room-size variance to ensure optimized player flow and improve gameplay experience
- Developed a modular minigame framework, implementing a logic-based distribution system that dynamically populated rooms with unique mechanics and challenges

RAITE 2024 Data Science and AI Challenge

- Performed data preprocessing and basic model analysis using Python
- Collaborated in a team-based research environment



EDUCATION

Bachelor of Science in Computer Science

Pampanga State University (Formerly Don Honorio Ventura State University)
2022-2026

Expected Graduation: 2026

Relevant Coursework

- Algorithms and Complexity, Software Engineering, Web System and Technologies, Object Oriented Programming, Operating Systems, Systems Analysis and Design

Achievements

- President's Lister (1st Year - Present)
- Top 20 (2nd Sem 2023-2024)
- Top 9 (1st Sem 2022-2023)
- Top 25 (1st Sem 2024-2025)