

Edouard Andrew R. Ybañez

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Ambitious Computer Science student specializing in Full-Stack Development and Secure Software Engineering. Combines technical expertise in front-end and back-end frameworks with a strategic background in Business Process Design. Dedicated to building secure, efficient, and user-centric digital products while leveraging a proactive approach to Information Security and modern development methodologies.

Projects

OTC Recommender - April 2026

Node.js | TypeScript | Tailwind | Supabase

Full Stack Developer

Clinical Decision Support Web Application for Community Pharmacy OTC Consultations

- Developed a full-stack web application that guides pharmacists in recommending over-the-counter medications based on MIMS OTC clinical flowcharts
- Engineered a deterministic decision engine on the backend following MIMS OTC Guide references (Colds: B72–B75, Cough: B107–B114) to guarantee evidence-based recommendations
- Integrated Supabase for real-time patient queue management, allowing pharmacists to monitor and serve patients live from a dedicated dashboard
- Repository: <https://github.com/Shifts334/otc-recommender-public> Live link: <https://otc-recommender.vercel.app>

LostButFound - June 2025

Apache | PHP | React | Node.js | Tailwind | MySQL

Full Stack Developer

Basic CRUD based Lost and Found System

- Developed a full-stack web application for lost and found processing and return.
- Built the front end using React with Vite, styled with Tailwind CSS and custom UI components
- Integrated MySQL for real-time database operations, user authentication, and data persistence
- Repository: <https://github.com/Shifts334/LostButFound>

PGH-Inventory-System - July 2025

Apache | PHP | React | Node.js | MySQL

Full Stack Developer

Basic CRUD based Inventory Web-Application System

- Built a small, HTML and PHP focused Inventory System for managing inventory-related pages and UI.
- Integrated MySQL for real-time database operations and user authentication.
- Repository: <https://github.com/Shifts334/PGH-Inventory-System>

Tech Stack

Main Languages: C, C++, JavaScript, TypeScript, Python

Frontend: Next.js, React, TypeScript, Tailwind CSS

Backend: Node.js, Express.js, Supabase

DevOps & Tools: Railway, Vercel, GitHub

Certifications & Achievements

Junior Cybersecurity Analyst Career Path

Dec 2025

CISCO - [Credential](#)

3rd place Winner Hackathon

May 2026

hackUSC

Education & Certificatations

University of San Carlos

2023-Present

Bachelor of Science in Computer Science