Ellexandrei Esponilla

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Education

De La Salle University Manila   **2401, Taft Ave**
BS Computer Science Major in Software Technology - GPA 3.549   Expected Graduation Date - 2027

Centro Escolar Integrated School Manila   **1008, Mediola St.**
STEM - Graduated with High Honors   June 26, 2023

Leadership & Activities

La Salle Computer Society   **2401, Taft Ave**
Frontend Developer   2024 -2025
- Organized the tech stack for the frontend development process of the R&D committee.
- Served as the Senior Frontend Developer for multiple inter-organization projects.
- Collaborated with designers and backend developers to deliver scalable web solutions

Google Developer Group on Campus   **2401, Taft Ave**
Backend Developer   2024-2025
- Implemented scalable Backend API's for organization's website

Blue Hacks Hackathon   **Ateneo De Manila University**
- Participated in the 24-hour Blue Hacks Hackathon of the Computer Society of Ateneo.   February 22, 2025
- Developed an emergency response mobile application for first responders to immediately be alerted of emergencies in a real time map-like interface.

CS50x - Introduction to Computer Science (Online Course)   **Harvard University**
- Learned the fundamentals of C, data structures, SQL, Python, and web development.   2023
- Developed an Attendance Tracker mobile application for the final project.

Experience & Projects

Trip Management System
- Developed a system to manage and track bus ticket sales and real-time bus locations.
- Implemented GPS-based tracking with WebSockets for live position updates.
- Built a responsive, real-time dashboard for monitoring trips and vehicle status.

Konektinda – E-commerce Platform for Karinderiya Owners
- Served as **Scrum Master** for a team-based Software Engineering class project
- Facilitated Agile ceremonies, including sprint planning, daily stand-ups, reviews, and retrospectives
- Coordinated collaboration between frontend, backend, and design team members
- Supported the development of an e-commerce platform tailored for local karinderiya owners, focusing on usability and real-world applicability
- Applied Agile and Scrum best practices to improve team communication and on-time feature delivery.

TrOCR Fine Tuning Commissioned Project
- Worked on a commission by a senior high research group to fine-tune the microsoft/trocr base model using PyTorch to recognize doctors' handwriting and use the model to display the result using the Python OpenCV and tkinter GUI.
- Faced difficulty in decreasing the character error rate of the fine-tuned model.

Attendance Tracker Mobile App
- Developed an Android application used for tracking the attendance of students using QR codes.
- Used React Native, Expo SDK, and SQLite to develop the project.

lasallian.me
- Collaborated in developing a LinkedIn-style full-stack social media platform as a machine project for our web development class.
- Primarily responsible for the frontend infrastructure of the project.
- Developed using React Router V7, ExpressJS, NodeJS, MongoDB.

Skills & Interests

Technical: React, React Native, NextJS, NodeJS, NestJS, ExpressJS, Flask, Python, Java, C, Proxmox, Github Actions, Docker
Language: Fluent in English, Filipino, and Waray
Interests: Astronomy, Space Observation, Manga, Novels