

ROBNE KYLE (LAYGO) FONSECA

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PROFILE

A Computer Engineering student from Mapúa University and an advocate for lifelong learning. I am eager to apply my technical skills and collaborate within a dynamic environment to learn usable skills and grow as a professional.

TECHNICAL SKILLS

Languages: Python, SQL (PostgreSQL), JavaScript, Bash

Frameworks & Libraries: React, Express, Node.js, Next.js

Developer Tools: Git, Linux

WORK EXPERIENCE

Quality Assurance Intern / Ollopa Corporation

January - March 2025

- Conducted manual testing on three company websites: eGetinnz, FiBeiDigiCards, and FiBeiGreetings.
- Researched and analyzed features from Airbnb, Booking.com, and Agoda to guide eGetinnz development.
- Co-led the QA team of **15 members** by reviewing tickets, creating PowerPoint presentations of tickets for supervisors, disseminating tasks, and onboarding new QA team members

PROJECTS

Intern QA Submission Platform | Next.js, Supabase

March 2025

- Built a ticketing system with ticket groups, version control, ticket history tracking, and export to **Google Sheets** via API integration.
- Implemented user authentication, role-based access control, and rate limiting based on IP and use ID for secure user management.
- Leveraged **Next.js** and **Supabase** with Server Actions to streamline server-side operations and deployed on **Vercel**.
- Developed as a special internship project at Ollopa Corporation to be used by the QA team.

Resonance / React, PocketBase | [Live Demo](#) | [GitHub](#)

December 2024

- Developed a music review platform similar to **Letterboxd**, where users can review and rate albums, utilizing the **Spotify API** for album data.
- Accomplished a responsive and intuitive user interface that adapts to various screen sizes.
- Constructed the back-end with **PocketBase**, ensuring efficient handling of authentication, album reviews, and user data efficiently, ensuring a smooth user experience.
- Deployed the front-end on **Vercel** and established the back-end on **PocketHost.io** for seamless operation.

Philippine License Plate Classification using KNN / YOLOv7, KNN, Tesseract OCR

- Designing and developing a system for detecting and classifying private, public, government, and special license plates using a **Raspberry Pi**, achieving **86.60%** accuracy
- Leveraging **YOLOv7** for license plate detection, **K-Nearest Neighbors (KNN)**, and **Tesseract OCR** for classification.
- Compiled and processed a dataset of **8,831** images for training YOLO and KNN models.

EDUCATION

MAPÚA UNIVERSITY

658 Muralla St., Intramuros, Manila, PH

Bachelor of Science in Computer Engineering

2020 - Present

- Top 9 in BS Computer Engineering Batch 2020 (September 2021)
- Junior Philippine Computer Society (Member)