



REY IANN V. TIGLEY

SOFTWARE DEVELOPER

CONTACT

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github.com/noneiann

TECHNICAL SKILLS

Languages

Python, TypeScript, JavaScript, Java, C++, C#, PHP, Dart, SQL, HTML, CSS

Frameworks & Libraries

React, React Native, Expo, Next.js, Node.js, Flutter, Tailwind CSS, Flask, PyTorch, OpenCV

Tools & Platforms

Supabase, Firebase, PostgreSQL, Docker, Git, WordPress, Unity, Godot, SDL3, OpenGL

Concepts

Web & Mobile Development, Computer Vision, Machine Learning, Game Development, Systems & Engines Development

EDUCATION

BS Computer Science

Mindanao State University
2026 (expected) · GPA 1.91

Senior High School — STEM

Xavier University – Ateneo de Cagayan
2020 – 2022

CERTIFICATIONS

Quantum Computing and Blockchain
Lecture Series — DOST-ASTI, 2025

EXPERIENCE

Junior Developer

Anura Innovations · Aug 2025 – Jun 2026

- Shipped production web and mobile features across the company's client platforms using Next.js, React Native, Node.js, and Supabase
- Owned features end to end from database schema and backend APIs to responsive front-end UI
- Collaborated in an agile team, handling code reviews, QA tracking, and Docker-based deployments

Software Developer Intern

Anura Innovations · Jun 2025 – Jul 2025

- Built and maintained features for internal and client projects with Next.js, Supabase, and PostgreSQL
- Contributed to the eReferral and Digital MIAM platforms during onboarding

WordPress Developer

DreamTeam PH · Sep 2024 – Dec 2024

- Developed and customized WordPress sites, themes, and plugins to client specifications
- Handled responsive layouts, page builds, and site maintenance

THESIS

End-to-End Autonomous Navigation using Homography-Based Overhead Localization

- Lightweight end-to-end navigation framework bridging geometric computer vision with imitation learning
- Single RGB camera and ground-plane ArUco fiducials compute a homography rectifying frames into top-down Bird's-Eye-View, fed to a DAVE2-style CNN trained by behavioral cloning to predict continuous steering angles
- Completed all 40 closed-loop trials across four track topologies without leaving the lane; only 1.7x RMSE growth on a held-out track, showing learned transferable path geometry
- Implemented in Python (PyTorch, OpenCV); co-authored, advised by Renato V. Crisostomo

PROJECTS

IliganCommuter github.com/noneiann/IliganCommuter

Commuting map of jeepney routes in Iligan City with a fares calculator. Built with Flutter, Google Maps API, and Firebase.

Agent-Based RiceBlast Model github.com/noneiann/RICEBLAST_ABM

Agent-based SLIR model for rice blast with an advection-diffusion dispersal kernel; stochastic simulation with a wind vector factoring into spore dispersal. Built in C++ with SDL3 + OpenGL; multithreaded for a 1.75x speedup over serial.

TriGoRide github.com/noneiann/TriGoRide

Tricycle booking app for Oroquieta built with Flutter, Firebase, and Google Maps API. Matches passengers with nearby riders using a distance and rating-based heuristic; riders manage profiles, plate numbers, and ride history.

Icarus

Universal computer vision engine for CCTV systems, providing a unified pipeline for real-time detection and analytics across heterogeneous camera feeds.

BlueRacket

Two-sided mobile marketplace connecting customers with blue-collar workers. Built with Expo / React Native and Supabase (Auth, Postgres, Storage, Realtime) with Zustand state management.

Digital MIAM

Professional mediation services platform with separate client and admin apps. Built with Next.js 14 (App Router), Supabase, Tailwind CSS, and shadcn/ui.

eReferral

Electronic referral management system for coordinating patient referrals. Next.js frontend with a Node.js + PostgreSQL backend, containerized with Docker.

Pedro's Roving Market

Digital marketplace and ordering platform for a roving market vendor. Built during work at Anura Innovations.

PawPal

Collaborative veterinarian system (CSC 181 final project) where clients manage pet profiles and reserve appointments, and veterinarians accept bookings, review pet profiles, and upload documents.