

RINTARO IWATA

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EDUCATION

De La Salle University

Bachelor of Science in Computer Science Major in Software Technology

SKILLS

Languages: C, C#, C++, Rust, Python, Java, Kotlin, Swift, Dart, JavaScript, TypeScript

Interests: Systems Programming, AI Engineering, Reverse Engineering, Malware Analysis

Frameworks: React, Next.js, Svelte, Tailwind CSS, shadcn/ui, Flutter

Mobile Development: Swift (iOS), Kotlin (Android)

Databases: Firebase, Supabase, PostgreSQL, SQL

EXPERIENCE

Mapua University

Aug 2023 - Jun 2024

Lead Academic Researcher & Software Developer

- Architected the PARKIT ecosystem by integrating YOLOv8 and PaddlePaddleOCR for real-time vehicle detection.
- Developed a nationwide mobile booking platform and a Python-based analysis GUI to streamline parking operations for the development of the system.
- Presented research findings, winning Best Research in Technology across the Makati and Intramuros campuses.

Easycom Japan Philippines Inc.

Jun 2023 - Jul 2023

iOS Software Developer Intern

- Developed an internal HRIS application from scratch to digitize and improve HR workflows.
- Built application views and user workflows rapidly using Swift.
- Collaborated closely with project managers and the development team to ensure seamless project delivery.

PROJECTS

CS2 Manila Server and Automation Platform

Feb 2025 - Present

- Authored custom C# plugins to extend game functionality and sync real-time data with a Supabase backend.
- Developed a high-performance community dashboard using Svelte 5 and Tailwind CSS for real-time operations.
- Managed an Ubuntu-based VPS on Herza Cloud, optimizing firewall security and performance for high-concurrency environments.
- Automated administrative workflows by integrating a Node.js Discord bot for seamless user access.

Animo Squad Hub

Jan 2025 - Present

- Shipped a full-stack management system for 140+ active users, maintaining 99.9% uptime for daily squad operations.
- Engineered a responsive UI with Tailwind CSS v4 and a scalable Supabase/PostgreSQL backend for logistics and scheduling.
- Secured the platform with Google OAuth for DLSU-restricted access and strict administrative controls.

Camera-Based Smart Parking System

Aug 2023 - Jun 2024

- Led the development of an AI-driven pipeline using YOLOv8 and PaddlePaddleOCR for real-time vehicle and license plate detection.
- Built a Python/PyQt data-gathering desktop application and a Flutter mobile app for real-time parking slot booking.
- Awarded the "Best Research Award in Technology Field" across Mapúa campuses for system architecture and findings.

LEADERSHIP & ACTIVITIES

University Student Government CATCH2T28

Jan 2025 - Aug 2025

Student Welfare Chairperson

- Identified and addressed student concerns by reviewing and applying policies from the Student Handbook to help improve the overall student experience.
- Disseminated important academic and organizational information to 640+ students across multiple Computer Science major specializations.
- Managed and staffed information booths during university events to assist students and provide guidance.
- Conducted regular student welfare check-ins to support peers and gather feedback on student needs.

Computer Studies Government

Oct 2024 - Apr 2025

Student Services Executive

- Maintained and updated the MiniMLS course enlistment system with official course offerings to ensure accurate and reliable data for 2,600+ CCS students.
- Provided technical and process support to 6+ students regarding course enlistment and system-related concerns.
- Communicated key enlistment updates and academic information to 190+ students specializing in Software Technology.
- Assisted in ensuring smooth enlistment operations by addressing student inquiries and maintaining system accuracy.