

Kaye Jasmine S. Casem

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PROFESSIONAL EXPERIENCE

EastWest Banking Corporation

August 2025 – November 2025

Quality Assurance Analyst Intern

Makati City

- Developed, executed, and maintained automated test scripts using Katalon Studio to validate edge cases and optimize system reliability for core applications and internal banking systems.
- Identified defects, ensuring stability and quality assurance for major application updates.
- Collaborated effectively within the team and supported co-interns, contributing to a supportive environment and successful delivery of group projects.

OptoGrow Operations Management Services

August 2024 – October 2024

Systems and Automation Intern

Ortigas, Pasig City

- Utilized GoHighLevel platform for centralized systems and automations for data pipelines, lead nurture and client onboarding, SEO, online business management, technical solutions and maintenance.
- Contributed in streamlined business processes and CRM data workflow, and designed websites tailored to clients' company branding.

Quipper Philippines, Inc.

June 2021 – January 2022

Freelance Graphic Designer

Camarines Sur, Bicol Region

- Designed layout for large-scale advertisement posters and billboard for Quipper Partner Schools in Bicol Region.

ACADEMIC PROJECTS & RESEARCH

AGAPAI: A Vision-Based Monitoring and Alert System for Fall and Inactivity in Elderly Care Facility

2025 – 2026

Undergraduate Thesis Project

- Awarded 2nd Place overall out of 24 thesis projects in the Ideathon pitching competition at the PUP 8th Software Engineering Day (2026).
- Developed an end-to-end computer vision system integrated in a full-stack web application with an automated physical alert system to enhance safety monitoring for a DSWD elderly care facility in Quezon City.
- Built real-time video streaming pipelines utilizing custom-trained YOLO models optimized via Roboflow for edge-device deployment.

PUP Graduate School Research Management System

March 2026 – June 2026

Lead System Analyst

- Served as Lead System Analyst for a block-wide development team, engineering the system architecture, and managed project delivery pipelines for a platform designed specifically for the PUP Graduate School.
- Successfully pitched and presented the completed system capabilities directly to the PUP Graduate School Chairperson of the Computer Engineering Department.

TECHNICAL SKILLS

- Hardware & Embedded Systems:** Raspberry Pi, ESP32, Microcontrollers, GPIO interfacing, Circuit Isolation
- Software & Frameworks:** Python, Java, JavaScript, C++, React, Node.js
- Data, AI & Databases:** Computer Vision (YOLO), Dataset Annotation (Roboflow), Data Analysis (Matplotlib, Seaborn), PostgreSQL, MySQL, Microsoft Excel
- Tools & Workflows:** Git, Katalon Studio, AI-Assisted Development, Test Automation, UI Design (Figma)

EDUCATION & ELIGIBILITY

Bachelor of Science in Computer Engineering

2022 – 2026

Polytechnic University of the Philippines – Sta. Mesa (Main Campus)

DataCamp Scholar (DataCamp x Google Developer Groups on Campus – PUP Manila, 2025 – 2026)

Career Service Professional Eligibility | Passed | Rating: 87.56%

March 2026

Civil Service Commission (CSC), NCR

AFFILIATIONS

Google Developer Groups on Campus – PUP Manila (Data and ML Cadet & Senior Graphic Designer)

2024 – 2026

Institute of Computer Engineers of the Philippines, Student Edition – PUP Manila (Sr. Graphic Designer)

2024 – 2025

Arduino Day Philippines 2025 (Volunteer – Creatives Committee)

2025