

# Jason Erwin Clyde Dimalanta

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## Summary

I'm a problem solver at heart who enjoys building systems that are not only functional but meaningful. Whether it's designing robust backend architectures, developing automation tools for testing, or exploring data to uncover insights, I'm driven by the challenge of turning ideas into working solutions.

## Education

<b>De La Salle University</b> , BS in Computer Science, Major in Software Technology	Sept 2021 – Present
• GPA: 3.0/4.0	

## Experience

<b>Quality Assurance Intern</b> - Ardent World Inc.	Sept 1, 2025 - Dec 3, 2025
• Conducted functional and regression testing across multiple modules during the company's transition from legacy systems to a centralized platform, ensuring system stability and reliability. • Developed detailed test cases and executed end-to-end testing workflows, identifying critical defects and validating bug fixes through JIRA. • Collaborated closely with developers and QA leads by documenting clear replication steps, expected results, and environment details, improving communication and issue turnaround time. • Gained exposure to project management practices by assisting in drafting Business Requirements Document (BRD) templates and learning SDLC process structuring.	

## Projects

<b>Corallian: Coral Classification Using Deep Learning</b>	GitHub
• Designed and implemented a deep learning pipeline to classify coral reef images into multiple coral taxa using a ResNet-101 backbone. • Employed extensive data augmentation techniques—including random affine transforms, grayscale conversion, and conditional histogram equalization—to improve generalization across diverse reef conditions. • Applied HDCS, ASPP, and Visual Embedding modules to extract multi-scale and contextual features for coral classification, then conducted ablation studies revealing that the baseline ResNet-101 outperformed more complex variants in this task.	

<b>PetterCare</b>	GitHub
• Quality Assurance Tester for PetterCare, a pet wellness web app focused on health tracking, reminders, and educational content. • Developed and maintained automated unit and integration tests using Jest and Sinon, ensuring reliability across the major features of the platform. • Identified and documented bugs, usability issues, and edge cases in React components and state management workflows.	

<b>FurMate: Android Pet Health Management App</b>	GitHub
• Mobile Backend Developer for FurMate, a pet care app supporting profile management, medical history, and appointment tracking, with real-time syncing and offline access via Firebase services. • Integrated Firebase Authentication, Realtime Database, and Cloud Storage for a secure and scalable backend functionality. • Engineered an offline-first architecture with automatic cloud synchronization, enabling seamless user experience across network conditions.	

## Technologies

**Backend Development:** Node.js, Express.js, Next.js, MongoDB, Mongo Realm, JWT, REST APIs, Gradle, Java, FireBase, Session/Cookie Management

**QA / Automated Testing:** Jest, Sinon, Manual Testing, Exploring Testing, CI-ready Test Suites, Bug Reproduction & Tracking, Agile QA Practices

**Data Science/Machine Learning:** Python, Scikit-learn, PyTorch, OpenCV, Matplotlib, Pandas, Numpy, Jupyter, WandB,

**Frontend Development:** Kotlin, Android Studio, XML, JavaScript, HTML5, CSS3, TypeScript, React.js