KURT RUSSEL D. SISON

San Fernando, Pampanga, Philippines +63 921-650-9303 Engr.SisonKurtRusselD@gmail.com

SUMMARY

Computer Engineering graduate with experience in software development, QA testing, and system validation through academic projects and freelance work. Skilled in full-stack development, manual and API testing, Agile SDLC, and technologies including C#, Python, JavaScript, SQL, Git, Postman, and Jira. Strong in debugging, test case design, and delivering reliable, high-quality software.

EDUCATION

Bachelor of Science in Computer Engineering **2021-2025**

Pampanga State University (formerly Don Honario Ventura State University) Philippines

PROJECTS

Larva Tracker: A Robot Solution for Locating and Treating Mosquito Breeding Sites **2025**

Software Lead / QA & System Tester

- Led system development and integrated hardware controls for autonomous operations.
- Designed and executed test cases for system validation and integration testing
- Performed iterative debugging and validation to improve system stability and performance.
- Collaborated with team members on system implementation, testing, and deployment.

Personal Portfolio Website (Next.js 14) **2025**

Full-Stack Developer | QA Engineer

- Developed a responsive portfolio website using Next.js, React, TypeScript, and Tailwind CSS.
- Performed functional testing, UI validation, and cross-browser compatibility testing.
- Debugged frontend and backend issues involving routing, API integration, and UI inconsistencies
- Developed a real-time chat system with live user activity tracking using Socket.IO.

CERTIFICATION & LICENSES

- Microsoft Full-Stack Developer Professional Certificate; Microsoft Back-End Developer Professional Certificate; Introduction to Artificial Intelligence (AI); Quality Assurance; SQL Fundamentals; Web Performance; HTML Fundamentals; Python; JavaScript; Responsive Web Design; Foundational C#

AWARDS & HONORS

- 3rd Best Paper - International Research Conference on Cross-Disciplinary Perspectives in Engineering and Technology Management (IRC-CpE) - Engineering Track
- Certificate of Publication - LarvaTracker (2026)

SKILLS

- Python; Java; SQL (MySQL); HTML; CSS; JavaScript; Object-Oriented Programming; Data Structures & Algorithms; Git; GitHub; REST API; JSON; Database Management; Generative AI; SDLC/STLC; Agile Methodology; Requirements Analysis; Manual Testing; Test Case Design; Functional Testing; Regression Testing; Integration Testing; System Testing; Exploratory Testing; API Testing; Bug Reporting & Tracking; Selenium Basic; Jira; Software Debugging; Problem-Solving; Analytical Thinking; Attention to Detail

EXPERIENCE

Freelance Developer & Academic Projects **2021-2026**

Full-Stack Developer | QA Engineer Philippines

- Developed and tested web applications using HTML, CSS, JavaScript, Python, PHP, and SQL.
- Executed functional, regression, integration, and system testing to identify and resolve software defects.
- Performed validation, debugging, and quality assurance activities throughout the development lifecycle.
- Delivered projects through requirements gathering, development, testing, deployment, and maintenance.

CASTLE 3D UPGRADE COMPUTER PRO TRADING **2025**

Intern Philippines

- Performed system troubleshooting, diagnostics, and OS installation (Windows & macOS)
- Executed hardware-software integration testing and system validation
- Documented technical issues and supported end-user troubleshooting
- Assisted in basic QA checks and system performance testing