

# JULIAN MATHEW M. GUINTU

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## SUMMARY

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Fourth-year Computer Science student at Holy Angel University with a passion in programming and testing. Aspiring Manual and Automation QA Tester with a sharp eye for software quality and usability. I specialize in identifying defects that may impact user experience and ensuring alignment with quality standards such as ISO/IEC 25000. I've developed sample test cases and bug reports, and I'm continuously advancing my QA skills to contribute effectively to real-world projects.

## EDUCATION

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Holy Angel University  
Bachelor of Science in Computer Science  
Awards: Dean's Lister

Angeles City, Pampanga  
Expected Graduation: April 2026

Holy Angel University  
Senior High School (STEM)  
Awards: Graduated with Honors

Angeles City, Pampanga  
2022

## NOTABLE PROJECTS ACCOMPLISHED

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### Bala: A 2D Bullet Heaven Game Engine

2025

*Project Manager*

- Managed the development of **Bala**, a custom 2D bullet heaven game engine featuring **procedural generation, collision detection, and AI enemy behavior**.
- Oversaw progress through an **Agile Kanban workflow** and led the documentation and task assignments for the team.

### Bala Website

2025

*Frontend Developer*

- Developed the frontend website using **ReactJS, Vite, and TailwindCSS**.
- Integrated an installer, video demonstration, and user manual of the game engine.

### Inventory App React

2025

*Automation Engineer/Tester*

- Automated the **CI/CD workflow** of the development using **GitHub Actions**.
- Implemented end-to-end testing with **Playwright** for web application validation.

### Computer Performance Prediction

2025

*Frontend Developer/Machine Learning Engineer*

- Trained a predictive model in **Python** to estimate computer performance from hardware specifications.
- Visualized results using **Linear Regression, Scatter Plots, Histograms, and Heatmaps**.

## Flu Simulation Model

2024

*Machine Learning Engineer*

- Developed a **machine learning** model in **Python** using **Scikit-learn** library to predict the likelihood of flu infection based on attributes such as season, recent coughing, and contact with sick individuals.
- Utilized the **XGBoost** algorithm for training and deployed the model using a **Flask API** integrated into a web interface built with **HTML5, CSS3, and Javascript**.

## **CERTIFICATIONS & TRAININGS**

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Data Analytics Essentials	2025
Cisco	
AWS Academy Graduate - AWS Academy Cloud Foundations	2025
Amazon Web Services Training and Certification	
Foundations of User Experience (UX) Design	2024
Google	
Cyber Threat Management	2024
Cisco	
CCNA: Introduction to Networks	2024
Cisco	
Cybersecurity Essentials	2024
Cisco	

## **SKILLS**

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### **Technical (IT) Skills & Tools:**

- **Languages:** Python, Java, HTML5, CSS3, Javascript
- **Frameworks & Library:** React, TailwindCSS, Vite, Scikit-learn, Playwright, Selenium
- **Database & Cloud:** MySQL, AWS
- **Tools:** Visual Studio Code, Git, GitHub, Figma, Canva

### **Soft Skills:**

- Communication
- Teamwork
- Problem-Solving
- Time Management
- Willingness to Learn
- Adaptability

## **PROFESSIONAL REFERENCES**

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### **Mr. Chris Almocera**

*Practicum Coordinator, CS-WebDev*  
*Holy Angel University*  
+63 (969) 576-3960  
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### **Dr. Raquel B. Rivera**

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