RODOLFO T. ESTEBAN III

COMPUTER ENGINEER

San Felipe, San Manuel, Tarlac │ estebanrodolfo042603@gmail.com│ LinkedIn Profile : Rodolfo Esteban III

SUMMARY

Results-driven and detail-oriented Bachelor of Science in Computer Engineering graduate with hands-on experience in embedded systems and telecommunications. Skilled in programming, hardware integration, and automation, with a proven ability to deliver efficient, innovative, and sustainable technology solutions. Strong problem-solving and collaboration skills developed through academic projects and industry training.

EXPERIENCE

On-the-Job Trainee (OJT) – National Telecommunications Commission (NTC), Quezon City, Philippines

- Assisted in the inspection and monitoring of telecommunications systems and equipment to ensure compliance with national standards and regulations.
- Supported technical staff in preparing detailed reports, documentation, and regulatory compliance records.
- Gained practical exposure to telecommunications policies, regulatory frameworks, and quality assurance procedures.
- Collaborated with engineers and staff in conducting field inspections and technical evaluations.

PROJECTS

Automated Organic Waste Compost Machine – Capstone Project
Urdaneta City University

- Designed and developed an automated composting machine tailored for small to medium-scale applications.
- Integrated sensors to monitor key parameters including humidity, temperature, moisture, and gas levels in real time for optimized composting conditions.
- Implemented an ESP-01 WiFi module to enable seamless data transmission to a local server, supporting remote monitoring and system control.
- Applied embedded programming, hardware integration, and automation techniques to enhance efficiency, reliability, and sustainability of the composting process.

EDUCATION

Bachelor of Science in Computer Engineering   Sept 2021 - Jul 2025
Urdaneta City University

TRAININGS AND SEMINARS ATTENDED

- Safety Awareness 101: OSH (Apr 2025)
- AI Revolution in Education (Apr 2025)
- Engineering Smart Solutions, Digital Futures (Apr 2025)
- Free Coding Bootcamp: Basic Web Development (Mar 2025)
- Building Cloud-Native Telecom Services (Mar 2025)
- AI & Prompt Engineering in Education (Apr 2025)
- Cyber Queens: Cybersecurity & Digital Defense (Mar 2025)
- Canva Secrets: Design Tips & Tricks (Mar 2025)

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TECHNICAL TOOLS

- **Programming:** C, C++, PHP, SQL, HTML, JavaScript
- **Frameworks & Tools**: Laravel, .NET (Beginner), Arduino IDE, Visual Studio Code, MS Office (Word, Excel, PowerPoint)
- **Hardware:** Arduino Mega 2560, Raspberry Pi, DHT11, MQ-135, thermocouples, moisture sensors