

# RODOLFO T. ESTEBAN III

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## EDUCATION

**Bachelor of Science in Computer Engineering**  
Urdaneta City University, **Cumulative GWA: 1.84/5.00**

## EXPERIENCE

**National Telecommunications Commission (NTC) | Quezon City, Philippines**  
On-the-Job Trainee (OJT) | July 2025 – August 2025

- 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.

## THESIS / CAPSTONE PROJECTS

**“Automated Organic Waste Compost Machine” | Urdaneta City University |**  
Capstone Project | 2024 - 2025

- 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.

## SKILLS

C and C++ programming, PHP development, SQL CRUD operations, HTML, CSS, JavaScript, Laravel framework, responsive UI development with Bootstrap, version control using Git and GitHub, database design and management with MySQL, web application deployment using XAMPP and Render, Arduino-based embedded systems development, Raspberry Pi prototyping, sensor integration (DHT11, MQ-135, thermocouples, moisture sensors), IDE usage (Arduino IDE, Visual Studio Code), and productivity tools including MS Word, Excel, PowerPoint, and Canva.

## **CERTIFICATIONS**

- **Safety Awareness 101: OSH | ICpEP** April 2025
- **AI Revolution in Education | ICpEP** April 2025
- **Engineering Smart Solutions, Digital Futures | ICpEP** April 2025
- **Free Coding Bootcamp: Basic Web Development | ZUITT** March 2025
- **Building Cloud-Native Telecom Services | ICpEP** March 2025
- **AI & Prompt Engineering in Education | ICpEP** March 2025
- **Cyber Queens: Cybersecurity & Digital Defense | DICT Region 2** March 2025
- **Canva Secrets: Design Tips & Tricks | DICT Region 3** March 2025