MARC MELGAR

COMPUTER ENGINEER

Nueva Ecija | marcmelgar419@gmail.com | https://marcmelgar-portfolio.netlify.app/

Detail-oriented Web Developer with a focus on creating responsive, user-centered interfaces using modern frontend technologies. Skilled in turning design systems into intuitive digital experiences through clean, scalable code. Proficient in HTML, CSS, JavaScript, and frameworks like React, with a strong grasp of UX principles, accessibility standards, and mobile-first design. I bridge design and development to build seamless, high-performance web applications.

AREA OF EXPERTISE

UI/UX-Oriented Development Software Development & Debugging	API Integration & Automation Unit Testing, Code Review, and Documentation	Team Collaboration in Agile Environments Aided Design

KEY ACHIEVEMENTS

- **Software-Driven System Design:** Developed a full-stack hardware monitoring solution by integrating sensor-based embedded systems with real-time dashboards, utilizing C and Python for efficient data handling and control logic.
- **Recognized Technical Excellence:** Earned awards for capstone projects showcasing practical, maintainable system designs and strong troubleshooting skills.
- **Industry-Level Certification Milestone:** Successfully qualified and currently participating in the Level 3 Training Program with VITRO/ePLDT, reflecting advanced competency in hardware systems, data center operations, and infrastructure readiness.

PROFESSIONAL EXPERIENCE

Internship | VERYFY GLOBAL Inc   **May 2024 - August 2024**

- Led full-stack development, managing front-end, back-end, and database tasks. Supervised API integration and team workflow.
- Acquired hands-on skills in full-stack web development and API-driven architecture, contributing to the successful launch of multiple projects.

EDUCATION

Bachelor of Science in Computer Engineering   **Aug 2021 - July 2025**
Wesleyan University- Philippines

- Graduated with a Bachelor of Science in Computer Engineering with Academic Commendation, demonstrating excellence in embedded systems, circuit design, and software development.
- Key Project:
    - Bin Optimizer for Trash and Ecology (BOTE): Developed a prototype Reverse Vending Machine (RVM) that accepts plastic bottles and metal cans, dispensing monetary rewards to promote recycling and encourage responsible waste disposal behavior.

ADDITIONAL INFORMATION

- **Programming Languages:** Python, C/C++, JavaScript, HTML/CSS, SQL, React
- **Certifications:** Certified Data Center Technician (CDCT), Data Analytics Essentials
- **Technical Skills:** Full-Stack Web Development, Linux System Administration, Bash Scripting, API Integration, Embedded Systems Development, Microcontroller Programming (Arduino), Circuit Design & Simulation (Multisim), Hardware-Software Integration, Version Control (Git).
- **Soft Skills:** Team Leadership, Project Coordination, Analytical Thinking, Effective Communication
- **Major Awards/Activities:** CECT Local Council Vice-Governor (2023–2024), ICpEP.se Vice-Governor (2023–2024), The Stocks Senior Editor (2023–2024), ICpEP.se Member (2021–2025)