Enrico Miguel S. San Pedro

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PROFILE

A Computer Engineering fresh graduate with hands-on experience in hardware and software development. I am skilled in front-end technologies like HTML, CSS, and JavaScript. Has good knowledge in Python for Raspberry Pi projects and C/C++ for Arduino.

EDUCATION

Bulacan State University - Laboratory High School (2019 – 2021)
Bulacan State University - Meneses Campus (2021 – 2025)

SKILLS

Technical Skills (Programming)

- Frontend Development (HTML/CSS & JavaScript)
- Hardware Development (C, C++ & Python)

Data Analysis

Problem Solving

EXPERIENCE

Evergreen Environmental Resources, Inc. - Quality Assurance and Technical Intern (2024)

- Worked with a team that was assigned to analyze gathered data about the company's bottlenecks.
- Created another method for simpler and time efficient document approval in the company's portal.

PROJECTS

Arduino Based – Water Level Sensor

- An Arduino based miniature water level sensor system that integrates a float switch that detects three (3) levels of abrupt shift in water levels.

Arduino Based – Interactive Game Console

- An Arduino Based video game controller that contains two (2) games. It has corresponding buttons that compliments both games, restart and power off button as well.

Portable Canine Scabies Detection Device – Prototype

- a Raspberry Pi based device that detects irregularities in skin of various dogs that could possibly lead to Canine Scabies.
- Equipped with several Python libraries and a lite version of machine learning algorithm to further be reliable in terms of results.

Responsive Website Portfolio

- A showcase of my HTML/CSS and JavaScript knowledge and capabilities. Also includes a brief backend with Express.js used to send and store messages in a MongoDB Atlas cloud setup. Visit it at https://miguel-portfolio-h6k8.onrender.com

CERTIFICATIONS

Cloud Management System Certified Engineer, Dahua Technology (2025 - 2027)
Video Surveillance System Certified Engineer, Dahua Technology (2025 – 2027)
Institute of Computer Engineers of the Philippines, Member (2021 – 2025)

SEMINARS

Network Master: From Configuration to Success, Bulacan State University - Meneses Campus (2025)
Journey to Innovation: Exploring Data Science in Computer Engineering, Bulacan State University - Meneses Campus (2025)

REFERENCES

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