



KENT CARLO B. AMANTE

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SUMMARY

Electronics Engineering graduate with a passion for programming and real-world problem-solving. Experienced in embedded systems, microcontroller programming, and circuit design. Driven by a love for technology and continuous learning, with a strong ability to adapt, collaborate, and solve problems in electronics, IoT, and IT-related environments.

WORK EXPERIENCE

Biomedical Engineering Intern, UCMed – University of Cebu Medical Center June 2024 – July 2024

- Assisted in the maintenance, calibration, and troubleshooting of medical devices alongside biomedical engineers to ensure equipment reliability and patient safety.
- Gained hands-on experience with hospital-grade electronics, supporting preventive maintenance and technical documentation in a real-world healthcare setting.

Freelance Arduino Developer 2024 – 2025

- Designed and developed custom Arduino-based systems, including automation projects, sensor modules, and wireless communication setups.
- Delivered end-to-end project solutions—from schematic design to programming and testing—tailored to client needs.
- Utilized platforms such as ESP32 and various sensors to create innovative electronics prototypes, enhancing efficiency and user functionality.

EDUCATION

Senior High School 2019-2021

Ramon Duterte Memorial NATIONAL HIGH SCHOOL

- TVL - Electronic Products Assembly and Servicing (EPAS), EPAS NC II
- With Honors

College 2021 – 2025

Bachelor of Science in Electronics and Communications Engineering

University of Cebu – Main Campus

- Relevant Coursework: Microcontroller Systems, Digital Electronics, Communication Systems, Circuit Theory, Embedded Systems Programming

TECHNICAL SKILLS

- **Programming:** Hands-on experience with C++ (Arduino projects); used Java for thesis app development; familiar with Python, HTML, CSS, and JavaScript for web-related tasks.
- **Microcontrollers:** Practical experience with Arduino and ESP32
- **Electronics:** Circuit design, troubleshooting, and basic CAD for electronics
- **Networking:** Knowledge of basic networking concepts and Cisco technologies
- **Systems:** Exposure to IoT applications and embedded systems development