Angelo L. De Castro, ECE
angelodecastro02@gmail.com | +639668891884

Career Objective: Highly motivated and detail-oriented Electronics Engineer seeking a challenging position to utilize my technical expertise and problem-solving skills. With a proven track record of designing and implementing innovative solutions, I am dedicated to providing quality and reliable engineering work. Eager to contribute my extensive knowledge and passion for electronics to drive success in a dynamic and fast-paced environment.

EDUCATION

University of St. La Salle, Bacolod City, Philippines   **2018-2022**
Engineering | Major: Electronics Engineering | Licensed (PRC)

University of St. La Salle, Bacolod City, Philippines   **2016-2018**
Senior High School | Major: STEM

Don Bosco Technical Institute, Victorias City, Philippines   **2012-2016**
Junior High School | Major: Electronics Technology

WORK EXPERIENCE

Tan Medical Images and Signal Processing, Bacolod PH   **May 2020 – Jun 2023**
Senior Research Assistant
- Conducted comprehensive literature reviews and synthesized findings to support research projects, contributing to the development of evidence-based interventions.
- Presented research findings at international conferences and published in reputable scientific journals, contributing to the dissemination of research findings and advancement of scientific knowledge.

Skills Learnt: Technical Writing, Critical Thinking, Generating Ideas, Insight's Analysis, Public Speaking

Talarak Foundation Inc., Bacolod PH   **May 2021 – Dec 2021**
Telecommunications Engineer Intern
- Designed and developed circuit boards for consumer electronic products, employing innovative techniques to optimize performance and reduce manufacturing costs.
- Conducted a research on developing an animal tracking system using machine learning and internet of things.

Skills Learnt: Collaboration, Computer Programming, Circuit Analysis, Field Work, R&D, ECE Theories

LEADERSHIP & TEACHING EXPERIENCE

University of St. La Salle, Engineering and Natural Sciences   **Nov 2019 – May 2022**
Teaching Assistant and Lead Laboratory Teaching Assistant (BDI)

- Courses: STS (Science, Technology, and Society), Biomedical Devices and Instrumentation (BDI), and First Order Differential Equations (Finance Application)
- Assisted in creating and implementing engaging lesson plans that catered to diverse learning styles, resulting in improved student comprehension and engagement.
- Gave lectures, kept records of student evaluations, and responded to their questions

Skills Learnt: Teaching, Presenting, Patience, Courage, Public Speaking, Explaining, Responsibility

PUBLICATIONS & RESEARCH EXPERIENCE

Ninth International Conference on Computer and Technology (ICCST2022), Springer Nature Limited   **Apr 2023**
First Author
- Titled: *"Development of a Detection System for Endangered Mammals in Negros Island, Philippines Using YOLOv5n"*
- Awarded as the *"Best Student Paper"*
- Available: https://doi.org/10.1007/978-981-19-8406-8_35

Scientific Reports, Springer Nature Limited   **Dec 2022**
Co - author
- Titled: *"Localization and Classification of Space Objects using EfficientDet detector for Space Situational Awareness"*
- Available: https://doi.org/10.1038/s41598-022-25859-y

SKILLS & INTEREST

- **Technical:** Python™, MATLAB®, Microsoft® Office®, NI Multisim™, IoT (ESP8266, MQTT, Node.js®), Machine Learning (TensorFlow, Keras), Proteus, GNS3®, Quartus, AutoCAD®, LaTeX (Overleaf), GoogleSuite, HTML5, CSS3, JavaScript, Adobe Photoshop, Adobe Illustrator, Soldering
- **Languages:** Fluent English (IELTS = 7.0), Fluent Hiligaynon (L1), Fluent Tagalog (L2)