



ENGR. JYD REY A. MERCADO ECE, ECT

Licenses

- Passed the Board/Licensure Examination for Electronics Engineers – April 2025
- Passed the Board/Licensure Examination for Electronics Technicians – April 2025

Achievements

- Bachelor's Degree **Graduate with Latin Honors (Cum Laude)** – October 2024
- Senior High School **Graduate with Honors** – 2020
- High School **Graduate with Honors** – 2018

Badges/Certifications

- **CS50: Python Programming** (Harvard University) – jydneyshortgy.com/SIJ53B
- **Web Requests** (HackTheBox) – jydneyshortgy.com/XATyMy
- **Intro to Web Applications** (HackTheBox) – jydneyshortgy.com/ZPcPmD
- **Using Web Proxies** (HackTheBox) – jydneyshortgy.com/TUkbmp
- **Attacking Web Applications w/ Ffuf** (HackTheBox) – jydneyshortgy.com/Lmzv3
- **JavaScript Deobfuscation** (HackTheBox) – jydneyshortgy.com/HkIoLF
- **SQLi Injection Fundamentals** (HackTheBox) – jydneyshortgy.com/5ERbPq
- **Cross-Site Scripting** (HackTheBox) – jydneyshortgy.com/ustFUF
- Certified Bug Bounty Hunter (HackTheBox) – ongoing

Education

Polytechnic University of the Philippines – Manila Bachelor of Science in Electronics Engineering

- **Concentration:** Knowledge and Application
- **Related Coursework:** Computer Programming Fundamentals, Robotics, Mechatronics (Artificial Intelligence – Enabled), Discrete Mathematics, Machine Learning, Deep Learning, Statistics

Angono National High School

Science, Technology, Engineering, and Mathematics

- **Concentration:** Knowledge
- **Related Coursework:** Pseudocode, Introduction to Arduino, Mathematics

Experience

Adept Solutions Inc.

Junior Developer Intern

- Trained in developing Enterprise Resource Planning systems
- Applied python programming in developing non-built-in apps for an ERP system.
- Experienced using docker in managing multiple containers.

Projects

Mobile Application

Full-Stack Developer

- **Route4Me** – a real-time GPS tracking application for PUV passengers within Rizal province. It is a mobile application for both android and iOS that's built in a single codebase and is integrated with google cloud services

Deep Learning and Computer Vision

Full-Stack Developer

- **Ligpit Pang Higpit, SiliAI, and BanaNAS** – an AI-Integrated robotic system that utilizes YOLOv8 and YOLOv8 model

Basic Robotics and Embedded System

Full-Stack Developer

- **Basic Robotics** – autonomous path-following robot with obstacle avoidance in a specific complex line.
- **Embedded System** – PinTig: a GPS and SMS-enabled emergency heart monitoring device using a microcontroller.

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github.com/Jeydori

jeydori.github.io/jeydori-portfolio

About Me

Over the past few years, I have been exposed to robotics, mechatronics, and software engineering. Currently, I am fully dedicating myself to cybersecurity, specifically offensive security—an area I had previously set aside due to academic commitments and freelance work. However, my curiosity is not limited to the Red Team; I am also interested in the perspectives of the Blue and Purple Team, as I believe understanding both offensive/defensive strategies and collaborative approaches is essential for a well-rounded security perspective.

Frameworks/Tools

Flutter Odoo
Firebase Roboflow
Google Cloud Service Tools

Dev Languages

Python SQL
Java MATLAB
Javascript Dart
HTML C++(derivative)

Platforms

Windows MacOS
Linux

Languages

English Filipino