



KURT DECENA

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EDUCATION

Tanauan City College | Bachelor of Science in Computer Engineering (CPE) | Trapiche Tanauan City Batangas | 2020 - 2024

Relevant Courses: IT support, IT Administrator, Computer Network and Security, Embedded System Engineer, Software Engineering

Professional Summary

Computer Engineering graduate with hands-on experience in IT support, hardware/software troubleshooting, and network setup. Skilled in C++, Python, and Arduino, with strong knowledge in cybersecurity, machine learning, and system development. Quick learner with a passion for solving technical problems and building real-world tech solutions.

PROFESSIONAL EXPERIENCE

Sophie's Information Technology Inc – Intern ; Lipa City, Batangas

January 15, 2024 - March 4, 2024

- Assisted the Secure Development team in designing Moodle prototype for Ilocos University using Figma
- Delivered weekly presentations to the Developer Secure Manager
- Completed the Moodle design project for Ilocos University independently
- Studied Cyber Security practices, Ethical Hacking and Software Development (SDLC)

FREELANCE EXPERIENCE

Gun Detection with Web Application using YOLOv8

March 31, 2024

This project aims to create a robust security system capable of automatically detecting firearms in real-time using IP cameras. Leveraging the latest advancements in computer vision and deep learning, this system employs the YOLOv8 (You Only Look Once) object detection algorithm, renowned for its speed and accuracy

- Developed Image processing CNN model to detect a gun using machine learning
- Developed a web-base application using flask in python
- Programming language: C++, Python
- Implemented communication: Over ethernet communication (TCP/IP)

PROJECT EXPERIENCE

An Intelligent Plate Number Recognition and Parking System at Tanauan City College

June 3, 2024

The Intelligent Plate Number Recognition & Parking System at Tanauan City College controls and secures parking spaces for registered vehicles, using image processing (Machine learning) to recognize plate numbers and restrict access. It enhances security and management within TCC premises

- Implemented communication: UART communication and over ethernet communication (TCP/IP)
- Developed an image processing CNN model and a web application using flask in python
- Developed and designed a control gate mechanism for a parking system to manage entry and exit
- Programming language: C++, Python
- Microcontroller: Arduino Mega 2560

LAN Network Installation

December 2023

I installed LAN connection over 20 computers for office in The Outlet Lima, Lipa City. Also configured the newly installed Starlink Internet as a Internet Service Provider of their office.

- Installed and configured a secure network infrastructure, including routing, switching, and firewall settings to ensure reliable and protected connectivity.
- Used UTP Cat 6 cables for the LAN connection and used TCP/IP
- Set up basic network security measures, including MAC address filtering and password-protected Wi-Fi access.
- Performed network testing and troubleshooting to validate connectivity, speed, and security compliance.

SKILLS & INTERESTS

Interests: Gaming, Streaming, Esports, Basketball, Hiking, Badminton, Cook, Machine Learning

Languages: Native English and Filipino speaker;

Technical skill : Operating Systems: Windows (7/8/10/11) , Active Directory , PC Troubleshooting (software/hardware) , Network Infrastructure & TCP/IP , Network Security , Virtualization (VMware)

Programming skill:, Embedded System, SQL, C++, Arduino, Visual Basic or Software Design, Machine learning

Soft: Time Management, Project Management, Communication Skills, Good Analytical Problem Solving, Adaptability, Critical Thinking, Leadership, Attention to Detail, Interpersonal Skills

ACHIEVEMENTS AND EXTRACURRICULAR

- DEAN'S LISTER | Fourth Year | First Semester | 2023 – 2024
- DEAN'S LISTER | Third Year | Second Semester | 2022 - 2023
- Programming Competition | Champion | 2023 - 2024
- Programming Competition | 2nd place | 2022 - 2023
- Breadboarding Competition | Champion | 2022 - 2023
- Esport President | Invictus Animus ACCESs | 3 years | 2020 – 2023

SEMINARS AND CERTIFICATIONS

- Basic Occupational Safety and Health (BOSH) with 2-hour Training of Trainer for Safety Officer 1 | DOLE | March 2024
- The Dynamics Of Cloud Computing | DICT | February 18, 2024
- Git Introduction to Version Control System: Who to Blame when Deployment Fails? | Tanauan City | April 6, 2024
- Data Analytics using Python Programming Language | Tanauan City College | March 27, 2024
- Cyber Crime Law in PH | Webinar | May 20 , 2021
- Data Center and Network Infrastructure | Tanauan City College | April 1, 2023
- Cloud Computing: A discussion on leveraging cloud technology for IoT Devices | Tanauan City College | April 17, 2021
- Institute of Computer Engineers of the Philippines | ICpEP | October 29, 2022

REFERENCES

Engr. Ralph Laurence G. Visaya

Professor



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