



ESGUERRA, FRAION HYUDZ P.

PROJECT MANAGER

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Pangasinan
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- github.com/Hyudz

TECHNICAL SKILLS

- Back End Developer
- Project Management
- Networking and Security
- Cybersecurity
- IoT Developer

PROGRAMMING LANGUAGES AND TOOLS

- Git
- Python
- Kali Linux
- MySQL & Firebase
- Laravel/Php

CORE WORE SKILLS

- Leadership
- Attention to Detail
- Problem Solving
- Collaboration

PROFILE SUMMARY

I am a Passionate and highly motivated student with a strong foundation in backend development and cybersecurity. Previously focused on backend programming, now shifting towards cybersecurity. Experienced in Cisco Packet Tracer, Arduino, and in Game Development. Actively seeking opportunities in cybersecurity and ethical hacking.

EDUCATION

PHINMA University of Pangasinan (2022 - Present)

Bachelor of Science in Information Technology Major in Computer Security

Hawak Kamay (HK50) scholar

MAJOR PROJECTS

ARDUINO BASED FLOOD MONITORING SYSTEM

Capstone Project December 2024 - Present

C++ | Arduino IDE | MQTT

Collaborated with a team to develop an Arduino-based flood monitoring system using C++, Arduino IDE, and MQTT protocol. Designed and implemented real-time monitoring and alert mechanisms to detect water levels, transmit data wirelessly, and trigger notifications for prompt response. Focused on ensuring data accuracy, system reliability, and seamless communication between sensors and the central monitoring interface.

ENROLLMENT SYSTEM FOR FRESHMEN

Freshman Final Project | November 2022

Python | Lead Developer | Visual Studio Code

Developed a GUI application to streamline the enrollment process for freshmen, allowing users to input personal information, select courses, and generate enrollment reports.

Ensured to develop a GUI interface to facilitate the enrollment process for freshmen. The application enabled users to input personal information, select courses, and generate enrollment reports with ease.

PHINMA UPANG MARKETPLACE

Sophomore Final Project | December 2023 - April 2024

Laravel | Lead Developer | API Developer

Developed UPang Marketplace, a web application designed to help PHINMA UPang students and employees buy and sell university-related essentials such as books, uniforms, and course-specific tools. The platform promotes sustainability by encouraging item reuse while providing financial benefits to sellers. And Built an Android marketplace app for PHINMA UPang students using Kotlin, integrating APIs via Retrofit for seamless communication with the Laravel backend. Enabled real-time listings, search functionalities, and user-friendly interactions to enhance the buying and selling experience

PROFESSIONAL CERTIFICATES

- Introduction to Python
- Introduction to Cybersecurity
- Networking Basics

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PROJECT MANAGER

OTHER SCHOOL PROJECTS

ENROLLMENT SYSTEM FOR FRESHMEN

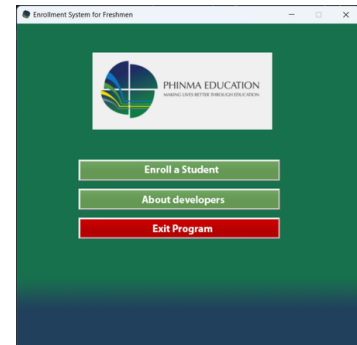
Freshmen Project

November 2022

Python | Visual Studio Code

Role: Project Manager & Lead Developer

<https://github.com/Hyudz/Final-Project---11-26-2022>



ROPERSORS

Freshmen Project

February 2022 - April 2023

Java | Visual Studio Code

Role: Lead Developer

<https://github.com/Hyudz/Ropersors>



PITIQUE

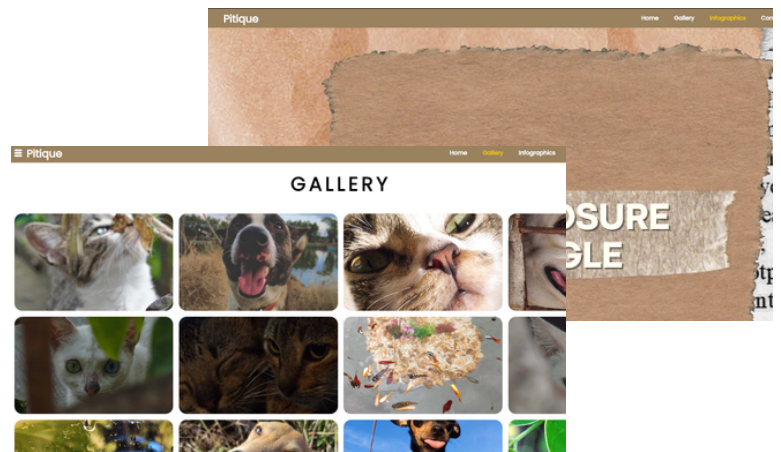
Freshmen Project

February 2023 - April 2023

HTML | CSS | Visual Studio Code

Role: Researcher

<https://github.com/Hyudz/Pitique>



AFTERWORLDS

Sophomore Final Project

September 2023 - November 2023

C# | Unity Engine | Visual Studio

<https://github.com/Hyudz/Afterworlds>



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PHINMA UPANG MARKETPLACE

Sophomore Final Project

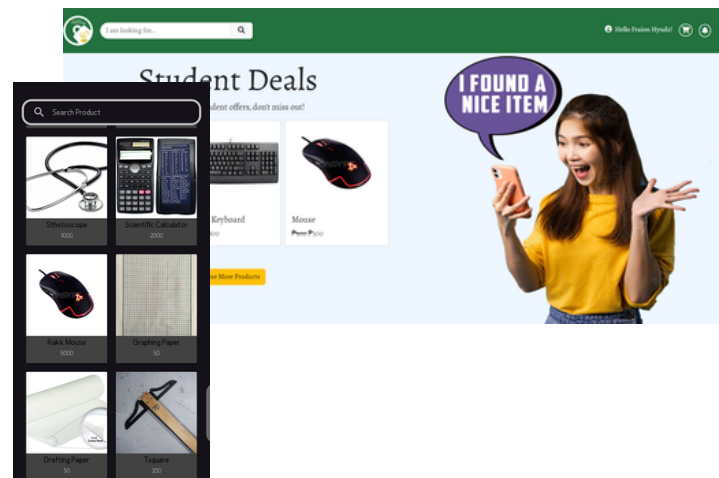
December 2023 - April 2024

Laravel | Android Studio | Postgre SQL

Role: Full Stack Developer | API Developer

https://github.com/Hyudz/UPang-Marketplace

https://github.com/Hyudz/UPang-Marketplace-Mobile



BOOKWINK

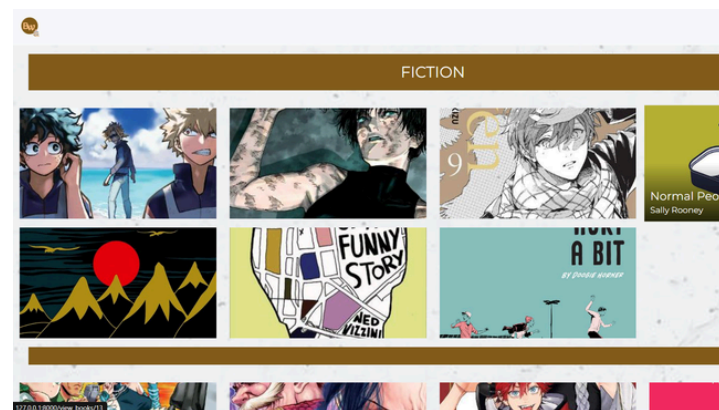
Junior Final Project

September 2024 - October 2024

Laravel | MySQL

Role: Lead Developer

https://github.com/Hyudz/Bookwink



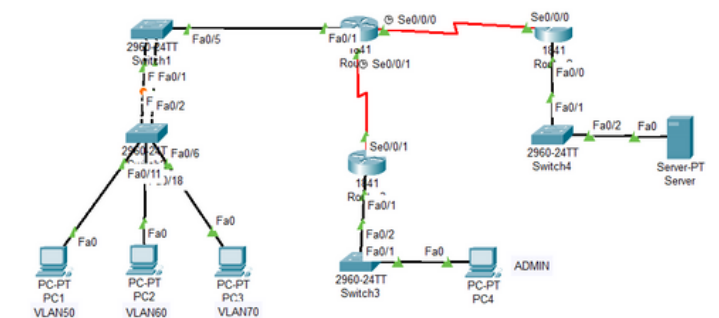
TECHSPHERE NETWORK SECURITY PLAN

Junior Project

September 2024 - October 2024

Cisco Packet Tracer

Role: Project Manager



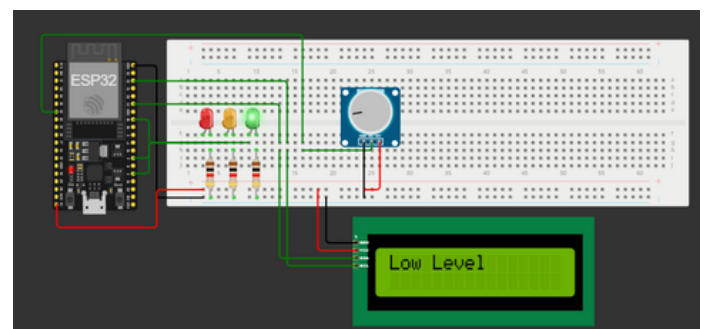
ARDUINO BASED FLOOD MONITORING SYSTEM

Capstone Project

December 2024 - Present

Arduino IDE | Cisco Packet Tracer | React JS

Role: Project Manager



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PROFFESIONAL CERTIFICATES

