

HAZEL MENDOZA

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PROFILE SUMMARY

I am a motivated Computer Engineering student with strong problem-solving, data analysis, and teamwork skills. I have experience in leadership and adapting to dynamic settings. I am also passionate about using technology for efficiency and innovation. Currently, I am seeking a Developer role to apply technical knowledge and gain hands-on experience.

EDUCATION

UNIVERSITY OF THE PHILIPPINES - DILIMAN

Bachelor of Science in Computer Engineering

Expected Graduation: July 2025 | Current GWA: 1.7050

- Assistant Vice President of UP Engineering Radio Guild
- Student Assistant at UP Electrical and Electronics Engineering Institute

WEB DEVELOPMENT BOOTCAMP

Udemy Online Course

Current

Comprehensive course covering front-end and back-end development, including HTML, CSS, JavaScript, Node.js, Express, and MongoDB.

ORGANIZATIONAL WORK & TRAINING

UP ENGINEERING RADIO GUILD

- Served as Assistant Vice President under Sports and Leisure Committee
- Spearheaded a series of webinar of the organization's flagship welcoming event for new students.
- Led an Engineering Week event sponsored by the organization for the engineering student body
- Represented the organization as point person during engineering events

STUDENT ASSISTANCE

UP Electrical and Electronics Engineering Institute

- Assisted students on laboratory and helped answer their questions during class
- Coordinated with professors and course handlers regarding course implementation and student inquiries
- Ensure access and proper use of equipments to students

LEADERSHIP BOOTCAMP

Department of Science and Technology

May 2023

Learning about Importance and Application of Goal-Setting and Purpose, Public Speaking, Growth Mindset, Self-Leadership, and Team Leadership

ARBITRUM BOOTCAMP

UPD Department of Computer Science and the Block

March 2024

Creating and Deploying Meme Coin Generator, Decentralized Application, NFT Marketplace, and Decentralized Autonomous Organization

PROJECTS

THESIS: WORMHOLE INTRUSION DETECTION SYSTEM

Pioneered a mobility and distance-based Intrusion Detection System (IDS) leveraging OMNeT++/Veins/SUMO to effectively detect wormhole attacks in VANETs, significantly enhancing network resilience and security

E-QUEUE: OPTIMIZED POOL QUEUEING SOFTWARE

Created a Python-based pool queueing system to optimize resource utilization through intelligent customer scheduling and efficient allocation algorithms.

MORSE CODE TRANSMITTER

Designed software for an STM32 microcontroller to emit Morse code via a built-in LED, processing user input (alphabetic and numeric) with added features for enhanced user experience.

AFFILIATIONS

SMART SYSTEMS LABORATORY

May 2024 - Present | Student Affiliate

UP ENGINEERING RADIO GUILD

July 2022 - Present | Student Member

SKILLS

Programming Language: Python, C/C++, Rust, JavaScript

Web Development: HTML, CSS, JavaScript

Technology: Embedded Systems, Computer and Vehicle Networks