

JOSHUA MIGUEL G. GUTIERREZ



CONTACT

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EXPERTISE

- ui/ux
- Hardware
- Arduino
Programming
- Leadership

LANGUAGE

Filipino

English

ABOUT ME

I'm a Computer Engineering student at PHINMA University of Pangasinan, actively seeking opportunities to learn, grow, and sharpen my skills. I'm excited to join this team, contribute meaningfully, and gain valuable experience along the way. I'm driven to expand my capabilities and push myself to achieve both personal and professional growth.

EXPERIENCE

Quizshow Buzzer w/ four Buttons Project

2022

- The project includes working with circuits, learning how to use PCBs, and fixing wiring problems. Understanding how PCBs work and attaching components through soldering is a fun and useful experience that improves problem-solving skills. Working with the team also helps improve technical abilities and teamwork. Moving forward, the goal is to improve the design and explore new ideas for the final product presentation.

Arduino Projects

2023

- Learning to program Arduino enhances analytical skills through coding and problem-solving. Projects involve debugging, ensuring hardware integration, and bring satisfaction when successfully completed. The experience sharpens technical abilities, fuels creativity, and bridges the gap between digital and physical realms.

Research/Thesis

2024-Present

- Thesis on "SignSpeak: A System for Translating Filipino Sign Language into Text and Speech Using YOLOv8 and LSTM".
- Implemented support for multiple languages and voice outputs: English and Filipino.
- Integrated a web-based application for accessibility across devices without requiring user registration or login.
- Focused on user-friendly design, educational integration, and continuous system improvement.
- Aimed to promote inclusivity and bridge communication gaps between hearing and Deaf individuals using modern AI technologies.

EDUCATION

Bachelor of Science in Computer Engineering

June 2021-Present

PHINMA - University of Pangasinan

- Thesis on "SignSpeak: A System for Translating Filipino Sign Language into Text and Speech Using YOLOv8 and LSTM".
- Status: Currently Working on our Thesis

Science, Technology, Engineering, and Mathematics

June 2019-2021

Bayambang National High School

- Focus on Academics
- With Honors