

Julius Dan Simon B. Hara

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Passionate learner of technological aspects, with a foundational knowledge in engineering and programming. Willing to practice real-life applications and theoretical knowledge learned from academic institutions, practical work, and life.

EDUCATION

Rizal Technological University

BS in Computer Engineering

Boni, Mandaluyong

Expected Graduation, July 2027

- **Related Coursework:** Fundamentals of Electronic Circuits, Logic Circuit and Design, Operating Systems, Introduction to HDL, Feedback and Control Systems, Computer Engineering Drafting and Design, Microprocessors, Computer Networks and Security

Arellano University – Andres Bonifacio

Information and Communications Technology

1606, Pasig City

Graduated June 2023

PROJECTS

4-bit Arithmetic Logic Unit using Redstone (Minecraft | Circuit Design)

- Built a Bi-modal Digital Architectural Unit capable of Arithmetic and Logical Operations in a substandard virtual model, delimited in an array of key components.
- Designed and translated canonical logic gate structures into redstone pathways to perform the combinational logic.

Plant Watering System using ESP32-D0WP-V3 (Embedded Systems)

- Automatic watering system based on an ESP32 module, utilizing a moisture sensor for accurate reaction towards the needs of a plant.
- Adapts to real-time soil conditions, allowing regulation and prevention of overwatering or underwatering

Basic GUI Four-Mode Calculator using Java Language (Programming)

- Developed a comprehensive multi-mode calculator featured with Arithmetic, Scientific functions, Programmer's Number Systems, and Conversions using Java Language.

SKILLS

- **Hardware / Digital Design**
VHDL, Finite State Machine Design, Digital Logic Design (K-maps, combinational circuits, etc.),
- **Tools / Application**
Proteus Design Suite, NI Multisim, EDA Playground, Autodesk AutoCAD, Lunacy, Adobe Photoshop, Adobe Animate, Microsoft Office
- **Programming & Frameworks**
C++, Java, Assembly Programming Language (x86)