



# RODRIGO G. BARIEN III

Aurora, Isabela, PH

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github.com/wodwiii

## EDUCATION

### Bachelor of Science in Electronics Engineering- Dean's Lister

University of Saint Louis Tuguegarao  
2020-Present

### Secondary Education(STEM)- High Honors

Saint Paul University Philippines  
2020

### Elementary Education

Aurora Central School  
2014

## EXPERIENCES

### Clarity AI Co-Founder

Tuguegarao City, Philippines  
October 2023 - Present

- Philippine Startup Challenge 8 National Winner
- Currently has 4,000+ Users

### IECEP ESC Organizational President

Cagayan Valley, Philippines  
August 2023 - Present

### Globe Telecom Emerging Technologies Intern

BGC, Taguig City, Philippines  
June 2023 - August 2023

### Ayala Group Summer Intern

Ayala Triangles, Makati City, Philippines  
June 2023 - August 2023

## SKILLS

#### Softwares:

- MS Office
  - Adobe Softwares
  - Matlab
- Multisim
  - Diptrace
  - LTspice
  - AutoCAD

#### Languages/Tech

- C#/C++
- Java/Kotlin
- Python/Jupyter
- HTML/CSS/JS
- Node.js/Angular.js
- Machine Learning & AI
- Assembly & Machine Language

## ACHIEVEMENTS

### DTI INTERSCHOOL HACKATHON

1st Runner-Up  
Project- KNOCK.AI: Intelligent Non-Invasive Classification System For Hard-Shelled Fruit Using Acoustics and Machine Learning

### PHILIPPINE STARTUP CHALLENGE 7

Champion(Regional Level)  
Participant(National Level)  
Project- AIDE: A Compact Multi-purpose Device for Disasters and Emergencies

### NATIONAL ARALINKS QUEST VI

Ace of Coding Award  
Overall Champion  
Project- TAMARAW: A Device for Philippine Rainforest Conservation Through Acoustic Surveillance and TinyML

## WORKS

*"Code to Clarity: An AI-Powered Visual Studio Code Extension for Code Explanation, Documentation, and Exercises"*

*"Development of CNN-Based Audio Surveillance using Different DSP Feature Extractions on RP2040 Microcontroller"*

*"The Trees Have Ears: An Acoustic Surveillance and TinyML-Based System for Detecting and Preventing Illegal Logging"*

*"Designing of Microwave Link as Backhaul for Private 5G SA(Standalone) Network in Last Regnant Leisure Hub"*

*"Linking the Unlinked: Development of an Off-Grid Emergency Communication Network Via Lorawan "*

# SEMINARS AND CONFERENCES

**Google I/O Manila 2023**

August 2023

**RedHat Conference 2023**

June 2023

**IoT Conference 2023**

July 2023

**Globe DevCon 2023**

August 2023

# CHARACTER REFERENCES

**Engr. Ariel M. Lorenzo, MECE, PhD**

ECE Program Chairman  
University of Saint Louis Tuguegarao  
09566606971

**Sander T. Sedano, MIT**

Faculty  
University of Saint Louis Tuguegarao  
09177717725

I hereby declare that the above information are true and correct.

  
RODRIGO G. BARIEN III  
Applicant