

Embedded C/C++ Developer

ABOUT ME

I am a hobbyist programmer and robotics enthusiast interested in projects relating to algorithms, machine learning and embedded systems.

I also have interests in language, music, gaming, and amateur radio and try to find ways to incorporate them into my work.

EXPERIENCE

2018- **Programming Consultant**

NOW Rizal National Science High School

Helps write microcontroller and interface code for Robotics and Science Fair competitions.

LEADERSHIP

2021- Chief Executive Officer

NOW UP Competitive Robotics Club

Manages workshops and competitions and del-

egates tasks to departments.

2020- Chief of Tournament Operations

2021 UP Competitive Robotics Club

Managed logistics and handling for the Tournament Organizing Workshop and Robotics

Ideathon

2020- Member, Technical and Academic Resources

UP Engineering Radio Guild

Assists with running amateur radio activities.

PUBLICATIONS

2018 Effectiveness of Anti-Overloading System for Automotive Transport (AOSAT) in Selected

Truck Drivers in Binangonan Rizal

Otiong, K.SJ., Palabasan, I.V.R., Ramirez, J.C.B.

Submitted as Thesis for Senior High School,

Submitted for WICO 2018

2017 Breath Analyzer for Automotive Interlock

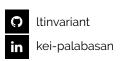
Palabasan, I.V.R., Ordonez, J.DJ., Aguinaldo, V.S.C.

Submitted for WICC 2017

@ hello@ltinvariant.com

ltinvariant.com

Angono, Rizal



SKILLS

Languages: C, C++, Python, MATLAB, Java, LaTeX, SPICE,

PIC Assembly, Web (HTML/CSS/JS)

OS/Applications: Linux (Arch, Fedora), LTSpice, TINA,

Canva

Miscellaneous: Hardware/software troubleshooting and debugging, system/server configuration and maintenance, problem-solving, team communication (using

Trello, Notion), Zoom hosting

EDUCATION

2019- **BS Electronics Engineering**

2023 University of the Philippines Diliman - Quezon City, NCR

Expected Graduation: June 2023 University Scholar with GWA 1.1076

Taking CoE 197U - Introduction to Digital and Analog IC Design and ECE 197U - Introduction

to Microfabrication and MEMS

2017- Senior High School

2019 Rizal National Science High School - Binangonan, Rizal

Academic Track, STEM Strand

Graduated with High Honors, Best in Science

ACHIEVEMENTS

2019 Synergy Software Solutions Competition

UP Diliman

1st Place

2018 World Invention Creativity Olympiad

Seoul, South Korea

Gold Medal

2017 World Invention Creativity Contest

Seoul, South Korea

Gold Medal, MyRIS Special Award

2016 International Olympiad in Informatics

Kazan, Russia

Contestant

2015 International Olympiad in Informatics

Almaty, Kazakhstan

Contestant

LANGUAGES

HOBBIES

English - native Filipino - proficient Japanese - proficient Music, Singing, Guitar, Languages, Anime and Manga, Gaming, Programming, Amateur Radio, Robotics