

KEI PALABASAN

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 delegates 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**
Otiang, K.S.J., 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.D.J., Aguinaldo, V.S.C.
Submitted for WICC 2017

LANGUAGES

English - native
Filipino - proficient
Japanese - proficient

HOBBIES

Music, Singing, Guitar, Languages, Anime and Manga, Gaming, Programming, Amateur Radio, Robotics

@ hello@ltinvariant.com

ltinvariant.com

Angono, Rizal

ltinvariant

kei-palabasan

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