KEI PALABASAN

Embedded C/C++ Developer

@ hello@ltinvariant.com
ltinvariant.com
Angono, Rizal
ltinvariant
kei-palabasan

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.

WORK EXPERIENCE

2018-now **Programming Consultant**
Rizal National Science High School
Helps write microcontroller and interface code for Robotics and Science Fair competitions.

ORGANIZATIONS

2021-now **Chief Executive Officer**
UP Competitive Robotics Club
Manages workshops and competitions and delegates tasks to departments.

2020-2021 **Chief of Tournament Operations**
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

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

2019-2023 **BS Electronics Engineering**
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

2017-2019 **Senior High School**
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

English - native
Filipino - proficient
Japanese - proficient

HOBBIES

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