

KEI PALABASAN

FPGA/ASIC Engineer

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

- 2022- **Engineering Intern**
now **Smartfox Data Solutions, Inc.**
Designs test board circuits in Verilog as well as Machine Learning research.
- 2018- **Programming Consultant**
now **Rizal National Science High School**
Helps write microcontroller and interface code for Robotics and Science Fair competitions.

ORGANIZATIONS

- 2021- **Chief Executive Officer**
2022 **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**
2022 **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.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@silikeite.me
silikeite.me
Quezon City

silikeite
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
Affiliated with UP Microlab for thesis
- 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