FLORIAN PASCO

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📍 3 Villeneuve-Vihan, 56240 Inguiniel, France   ⓞ mpek29

🚗 Driving licence   🎂 July 15 2002   🌐 mpek29.github.io/en

SOFT SKILLS

Autonomous   Analytical

Curious   Teamwork

Automation lover

Do-it-yourself

HARD SKILLS

C/C++   Python

PCB-Design (Eagle, Kicad)

Circuit sim. (SPICE)

GitLab/GitHub   SPI/I²C

Fusion360   Linux

CAD (Fusion, Catia)

ARM CPU arch. (STM32)

LTSpice

LANGUAGE

French: Native

English: B2+

Spanish: B1

German: A2

HOBBY

❤️ **Meditation**
My source of relaxation.

🏋️ **Running & Strength training**
To keep fit.

📖 **Reading**
To explore different ways of seeing the world.

REFERENCES

Available on request.

EDUCATION

Master's Degree in Systems Engineering (Electronics, Computer Science, Mechanics and Automation) | Brest National School of Engineering, France

🎓 09/2020 – in progress   📍 Brest, France

- Diploma expected in December 2025.

Baccalauréat, French secondary education diploma

🎓 06/2020

WORK EXPERIENCE

R&D Technician | AgriProTech

💼 06/26/2023 - 09/01/2023 (Internship)   📍 Quimperlé, France

Mission : Working on a UGV (unmanned ground vehicle) project

- Use of the ArduPilot opensource firmware and associated software (Mission Planner and QGroundControl).
- Creation of electronic schematic, soldering and test of the different part (multi-meter, oscilloscope).
- Installation of an RTK GPS (use of a Raspberry Pi) and compass for autonomous navigation.

PROJECTS | **MORE PROJECTS**

[IN PROGRESS] Open source Bluetooth Portable Speaker | 🌐   ⓞ

💼 02/2024 – 06/2024

- Firmware development in C++ using the Arduino framework and PlatformIO.
- Circuit (based on ESP32) testing on breadbord, elec. schematics and pcb design.
- Fusion360 modelling of the entire enclosure, followed by 3D printing.

[IN PROGRESS] ROS2 Mobile Robot Project

💼 04/2024 – 06/2024

- Functional speed control (provide closed-loop speed curve)
- Messages exchanged between the PC, RPI4 and STM32 using ROS2 formalism.
- Robot data display (speed, presence of obstacles).

Z'EthyDex | Open-Source Android App in Kotlin | 🌐

💼 07/2022

- Creation of the application interface in XML.
- Functionality coding in Kotlin + Creation of a SQLite3 database

VOLENTEERING

Secretary | Responsible of one supplier | ENIB cafeteria

💼 February 15 2022 – February 22 2023   📍 Brest, France

- Preparation of student events.
- Order from some of our suppliers, stock management.