PAUL WALCZAK

French Engineering student

(22 years old)

CONTACT

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Driving Licence, Category B

VOLUNTEERING

Nous Existons
2021-2023
Scientific mediation that aims to raise awareness of the sensitivity and fragility of the seabed.
The project is suported by **ISblue**, **ISblueHUB** and **Ifremer.**

Cordées de la Réussite
2021-2022
A French national education scheme that aims to encourage academic ambition among secondary school students.

Summer Camp Animator
2020-2021
ESTIVAL association (11-15 yo)

Solidarity Stay in Haïti
2017
Solidarity stay with young Haitians from the *Noël des Anges Center* (educational center for young people in advanced poverty).

SPORTS & HOBBIES

Arduino - ESP32 - STM32
Web development
Car Mechanics
Wakeboard - Surf - Foil
Guitar
3D design/printing

PROFESSIONAL EXPERIENCES

Date	Experience	Duration
June 2022	**KERPAPE - Technician Internship** Design and 3D printing in a rehabilitation center	2 months
July 2021	**BREIZELEC - Fixed-term Contract** Inserting components and reworking solder joints	1 month
Feb 2021	**BREIZELEC - Worker Internship 1 month** Electronic component insertion	1 month
July 2020	**BNP Paribas - Fixed-term Contract** Welcoming customers, handling routine inquiries and sales activity Receptionist	1 month
Aug 2019	**BNP Paribas - Fixed-term Contract** Welcoming customers, handling routine inquiries and sales activity Receptionist	1 month

EDUCATION

Engineering School ENIB — 2019-2024
ENIB - École Nationale d'Ingénieur de Brest
General - Electronics, Mechatronics, Computer Science

Bachelor of Science degree — 2012-2019
College/High School Saint-Louis Châteaulin

PROJECTS

STM32 projects — 2022
1) Sensor network using **CAN Bus** protocol and HMI data recovery with **QTCreator**
2) **Real-time multi-task** mobile robot with **FreeRTOS**.
   2 motors, 2 servomotors, 1camera, 1 LCD, 2 infrared and 2 ultrasonic sensors.
3) Control temperature of a heating resistor by **servo-system**
4) Spatial localization of a voice with 2 main algorithms :
   - **VAD** : Voice Activity Detection
   - **DOA** : Direction of Arrivals

VHDL — 2022
- Simulating the **mu0 processor**

CM33 based project — 2022
- Programming a simple calculator with **LPC55S69** based on **Cortex-M33**

SKILLS

Microcontroller programming	Arduino, STM32, CM33
Programming languages	Python, C++, C
Web development	Front (Vue, Hugo, HTML, CSS - Tailwind Framework)
CAO	Autodesk Fusion 360, CATIA, EAGLE, Blender (notions)
Languages	French (native), English (proficient)

TRAININGS

Date	Training
Jan 2023	**TOEIC** - 900/990
Jan 2022	**SST** - First aiders at work
July 2021	**Boat licence** (costal)
May 2021	**PSE1** - First Aid Team 1st level
July 2019	**Scientific Baccalaureate** with **distinction** Digital Sciences and European Section
April 2019	**BNSSA** - National Aquatic Safety and Rescue Certificate