

GAËTAN MICHEL

Master of Engineering school student in Embedded Systems and Electronics

Seeking for an 6 month internship starting in March 2020

KEY SKILLS

- Linux/Shell, Kernel Space, Driver Development
- C, C++, Assembly
- FreeRTOS
- Computer architecture
- Parallel computing (OpenMP, Intel TBB)
- Vectorization (TI C6600, x86-x64),
- VHDL
- MPLAB, Eclipse
- Signal Processing
- Matlab/Simulink
- Automatic, Predictive control, Robust control
- Git

Native language French.

Advanced in English (950/990 at the TOEIC test).

Basic level in German

INTERESTS AND ACTIVITIES

Reached the second Dan in kendo, a Japanese martial art. More than 12 years of training. I have competed at a national level.

Enjoy riding my bike as transportation as much as a sport. I will always choose my bike rather than my car or public transportation.

Travels: Cambodia, Portugal, Germany, UK, Ireland, Morocco, Tunisia, Ukraine, Italy

REACH ME AT:

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PROJECTS

Industrial Project

Project initiated by the company IOT.BZH. Design and production of a "shield" for STM32 (STMicroelectronics) to program an address in a sensor memory

SERI project

Serious game of 2 weeks (full time) with 40 other engineering students in order to develop an operational remotely controlled vehicle. Linux development on Raspberry PI 3 around the use of the Raspberry cameras. (Facebook: Ensicaen EPA Projet Immersif)

Embedded project

Coding of a microcontroller PIC32 (Microship) and a real-time operating system (FreeRTOS) in order to drive a remotely controlled vehicle by Wifi. Development of a graphical application with Qt to allow us to control the vehicle.

Electronic project -

Design, production, and validation of a circuit card for a moving robot that follows an electromagnetic field created by a wire.

EDUCATION

ENSICAEN - Electronics and applied physics - Embedded systems -2017 2020

Master's degree in Engineering at the National Higher Engineering School (ENSICAEN) in Caen. Modules included Signals Processing, Automatic, Telecommunications, Embedded Systems.

DUT Physical measurement - Instrumentation - 2016 2017

University Technical diploma (DUT) in Physics Measurements at the University of Caen. The equivalent of an Associate's Degree. Modules included Metrology, Quality control, Advanced instrumentation.

WORK EXPERIENCE

Internship abroad 4 months 2019

Instituto Superior Técnico Lisbon in the laboratory of Systems and Robotic (ISR). 4 months Coding from scratch of a People detecting system using 3D cameras, ROS and Matlab.

Internship 3 months 2017

Orne Plastic l'Aigle France
3 months Realised quality control on a process of plastic injection.

Summer job each summer from 2015 to 2018

Hippocamp Caen
Worked as an order picker in this veterinary warehouse.