CORRIO Olivier

Electronics and computer science Engineer

Works as a teacher in electronics, computer science (embedded system, mobile or desktop) for more than 26 years.
Age: 52 **FRANCE**

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Skills

- Language : C, **C++**, Pascal, VHDL, Z80/AVR, python assembler
- Linux system
- Modeling (UML, Design Patterns)
- **Qt/QML**, Dart & Flutter
- QtCreator, VSCode
- Electronic (signal and power)
- English: professional level

Interests

- Technology,
- Swimming, running, cycling

Education

- Engineer school,
- Electronic,
- Signal processing,
- Software studies

Professional experiences

1998-Now: Teacher in University Institute Of Technology (UBO)

1998: Master research degree at University of Nantes
- Vector command of synchronous machine
- Use of neural networks to estimate the position

1996-1998: Student in ENS Paris Saclay

1995-1996: Military Obligation in France

1995: Conception of 12000A welding machine at Quasar Concept factory in Angers,

1990-1995: Engineer school student in ESEO, Angers

Courses done at University

- Electronics (signal), DC-DC (forward, boost...)
- Signal processing (Numerical filter)
- C, C++ (First to third year of University)
- Modeling (UML, Diagrams of classes, states...)
- Embedded systems (mbed, bare-metal) on 68HC12, AVR, Pico
- Database (SQL Language),
- Python
- Advanced algorithm (Dijkstra, Bellman...)

Projects done at University

- Trimmer controlled by a mobile application (electronic made, design on PCB)
- Control of mobile robots (video is sent by network and camera can be seen on mobile application made with Qt)
- Multiple Choice Questions Application made in Qt (pure C++)
- Minesweeper game made in pure C++ and same with QML for UI (model in C++) on Qt, calculator...
- Application for correcting SQL requests with Qt
- Web application made in python with Flask framework
- On board underwater sound transmission/reception system, using DTMF coding (MEMS+amplifier+pico board+numerical filtering and decoding). Pure embedded system.