



Mickaël GARON

Software engineer

♥ 44 years 

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🏠 Marcilly-en-Villette (45)

in mickael-garon-771a423/

Technical skills

Cortex-M3 • Cortex-M0 • C • English

Linux (Debian) • Keil µVision • SVN

LIN • VHDL • $\LaTeX$ • NeuronC • IAR

ESP32 • Polyspace

CodeWarrior • Reqtify • RTRT

ESP8622 • HCS12 • MSP430

Lua • Python • Perl • Eclipse

Education

Polytechnic school - University of Nantes

- PhD in electronics
- DEA in electronic and electrotechnical

University of Poitiers

- Master/Licence EEA (Electronic Electrotechnic and Automatic) engineering

Hobbies

Computers and softwares, home automation, running, bonsais, volunteering (school events, running)

Work

Nov. 2012 - **Software engineer**

INTEVA Products

Present

- Inteva Products is a leading global supplier in automotive: "Closure", "Interior systems" and "Motor & Electronic"
 - Design and development of the software applicative part
 - Integration of software standard library
 - Tests (unit, integration and validation)
 - Development of scripts
 - Requesting and handling of customer feedback
 - Workload estimation

Aug. 2007 - **Embedded systems manager**

Wirecom Technologies

Oct. 2011

- Wirecom Technologies was a developer and provider of electrical solutions to manage heating and cooling of technical buildings
 - Manage an embedded team of 5 engineers and 1 trainee
 - Design and development of the new PLC (Power Line Communication) architecture ensuring the compatibility with previous architectures
 - Project management in home automation and technical building management
 - Installation of equipments and its maintenance of on-site

Sept. 2005 - **Teacher - Researcher**

IUP MIME University of Maine/Le Mans

Aug. 2007

- Team management and development of an embedded Webserver inside a microcontroller: home automation and help for people with disabilities (C, assembler, X10, I2C, http)
- Embedded Linux: project manager and development of embedded multimedia systems
- In charge of a teaching module, drafting class material, theoretical and practical exercises

Oct. 2004 - **Teacher - Researcher**

Department EII/INSA of Rennes

Aug. 2005

- Design of FPGA based systems (VHDL, FLEX 10K, MAX 7000S) and microcontrollers (SoC Cygnal C8051F020)
- Supervision of classes in combinatorial system, sequential, FPGA programming

Sept. 2001 - **PhD student - non tenured teaching position**

Polytech Nantes

Sept. 2004

Additional trainings and skills

2021 La Formation Complète Python

2021 Internet of Things with Microcontrollers: a hands-on course

2020 Forensic - Autopsy Basics and Hands On

2020 Setting-up personal network:

- Hypervisor (Proxmox 6.2), Debian 10 virtual machine
- Virtual machine Firewall/router (pfsense), Nextcloud, Jisti
- Web server Apache/Picocms

2013 ISO 26262, Application of LIN 1.2 & 2.1 protocol, English

Publications

- **Interaction between physical objects and learning platform in smart house**, M. Garon & F. Carlier, DCIS 2006 (Design of Circuits and Integrated System)
- **Physical object integration and learning platform in home automation**, M. Garon & F. Carlier, Mobile Learning 2006 (IADIS International Conference Mobile Learning)
- **Modélisation comportementale d'éléments mixtes d'une chaîne de traitement radio-fréquence dans un contexte de radio-logicielle**, M. Garon, Polytechnic school - University of Nantes - Thesis 2005