

Vitor Roriz

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Germany

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Skills

- C/C++ (11, 14, 17, 20)
- Real-time programming
- Microcontroller/low-level programming
- Python
- Javascript/Typescript/Vue
- Sensor signal processing
- Control Systems
- Communication across teams
- SystemC / TLM
- Embedded Linux
- VHDL
- Git/NPM/Jenkins/Jira
- Object-oriented programming
- SystemVerilog
- Matlab/Simulink
- ...whatever you need me to learn

Experience

- Aug 2022 – **Software Engineer - Apple Inc.**, Düsseldorf, Germany (Remote).
Current
 - Member of the WebKit Compatibility & Web APIs team.
 - Software development (C++) for WebKit (Browser Engine).
- Apr 2020 – **Software Developer - Ubisoft Düsseldorf**, Düsseldorf, Germany.
July 2022
 - C++ and Typescript/Javascript development for Ubisoft Connect (Ubisoft's PC Gaming platform).
 - Typescript and Vue development for Ubisoft's in-game store.
- Jan 2019 – **Software Engineer - Lancom Systems GmbH**, Aachen, Germany.
Jan 2020
 - C/C++ development for Lancom's operating system.
 - Software integration and porting.
- Apr 2018 – **Software Engineer Intern (Master Thesis Student) - Toyota Motorsport GmbH**, Köln, Germany.
Nov 2018
 - Driver development for real-time operating-system (raw Ethernet, TCP/IP).
 - Embedded software development and integration (Tricore Infineon Aurix uC / Lautebach debugger).
 - Python socket programming for testing.
- Jun 2017 – **Software Engineer Summer Intern - Cisco Systems, Inc.**, Lysaker/Oslo, Norway.
Aug 2017
 - Embedded Software development for Linux. / Time-sensitive networking implementation
 - Linux Environment Building (Buildroot/Yocto).
- May 2014 – **Software Developer Intern - Laboratory of Intelligent Control**, Vitória, Brazil.
Nov 2015
 - Activities funded by FEST (Espírito Santo's Technology Foundation) and developed in the LCI, at UFES.
 - Development of a system for fluid flow's measurement, via ZigBee transceivers, using microcontrollers.
 - Microcontroller programming in C.
 - Labview programming.
- Nov 2014 – **Volunteer at AVES**, Vitória, Brazil.
Oct 2015
 - AVES is a student organization that develops radio-controlled airplanes for the national competition, Aerodesign, hosted by SAE Brasil. Activities:
 - Development of the embedded system for data acquisition, based on an ARM-M4 microcontroller.
 - Coordination of new students in the electronic's team.
- Feb 2011 – **Programmer and Student Researcher - PET Elétrica**, Vitória, Brazil.
Aug 2012
 - Participation in PET, the tutorial Education Program of the Electrical Engineering Department at UFES, that is a group of 12 students in University that develops activities on research, teaching and extension to the community.
 - Development of a hands-on course in PIC Programming and basic electronics assembly.
 - Research.
 - Teaching.

Feb 2011 – **Volunteer at SECRI (Community Engagement Service)**, Vitória, Brazil.

- Jul 2011
- o Development of a audio-visual course provided for the low-income community of São Benedito in Vitória, Brazil. The program has helped young people from the community to create a documentary about their vision about technology.
 - o Teaching.

Education

Aug 2016 – **M.Sc. in Embedded Computing Systems**, *Norwegian University of Science and Technology (Trondheim, **Norway**)*, *Technische Universität Kaiserslautern (Kaiserslautern, **Germany**)*.

Dec 2018 European Master program in Embedded Computing Systems (EMECS) - **Grade: A**

Jan 2010 – **Electrical Engineering Degree (5 years)**, *Universidade Federal do Espírito Santo (UFES)*, Vitória, Brazil.

Dec 2015 Degree in electrical engineering with emphasis in control systems and computer engineering.

Aug 2012 – **Exchange Program**, *Universidad del País Vasco (UPV)*, San Sebastián, **Spain**.

Jun 2013 A 10-month mobility grant awarded by Brazilian Government. Studies of industrial electronics and automation engineering disciplines.

Master thesis

title *Development of a High-level TCP/IP Driver for a Message-Passing Real-Time Operating System.* **Final Grade: A**

supervisors Dr.-Ing. M. Jung, Dipl.-Ing.(FH) P. Weber

Bachelor thesis

title *Efficient implementation of finite-state machines for control applications on microcontrollers, using binary decision diagrams* **Final Grade: A**

supervisors Prof. Dr. rer. nat. Hans-Jorg A. Schneebeli

Languages

Portuguese **Fluent**

Mother language.

English **Fluent**

Studying/Working using English for several years.

Spanish **Advanced**

1 year living/studying in Spain.

German **Beginner**

Currently studying.