

Diogo Faria Correia

Electrical and Computers Engineer

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Education and work experience

2015-2020	BsC+MsC in Electrical and Computers Engineering Faculdade de Engenharia da Universidade do Porto
2018	Summer internship Fraunhofer AICOS
2018-2020	Research Assistant Fraunhofer AICOS
2020	Researcher Fraunhofer AICOS

Skills

- * **Proficient in C**
- * Intermediate knowledge of **Linux** from the user point-of-view
- * Basic knowledge of **Python** and **Java**
- * **Development of embedded applications and device drivers in C**
- * Use of **git** as a version control system
- * Development of **multicore** embedded applications
- * Development of time-constraint applications with **Real-Time Operating Systems (RTOS)**
- * Experience with several communication protocols: **BLE, BLE Mesh, WiFi, LoRa** and **ESB**
- * Development of firmware using **Test Driven Development (TDD)** methodology
- * Production of code documentation with **Doxygen**
- * Use of multiple tools for debugging embedded applications, such as: **GDB, SEGGER SystemView, SigRok** and **Valgrind**
- * Use of **Docker** containers as development environments
- * Production of reports using **Microsoft Word** and **LaTeX**

Areas of Interest

- * Internet-of-Things
- * Batteryless devices
- * Energy harvesting on IoT

Languages

Portuguese (Native) English (B2) German (A2)