

# RUI BARBOSA

## Electrical and Automation Engineer

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🎂 April 29, 1994

### ABOUT ME

I am a curious, motivated and energetic young engineer, currently looking for developer or technical positions. I have a masters in electrical engineering and automation and 2 years of professional experience: first as a technical engineer and later as a systems and studies engineer.

My goal is to grow in a company where I can specialise in my area, striving to be better and know more everyday. My favourite areas are PLC programming, control, microcontroller programming, as well as electrical machines and power electronics.

Program C/ Python

IEC 61131-3

Arduino/ MSP430

Multisim/PSIM

Requirement analysis

Teamwork

### EXPERIENCE

07/19 –	<b>Electrical Studies Engineer</b>	<b>AKKA Technologies</b>
08/18 – 10/19 as consultant	<b>Systems Engineer - Communication Technologies and Protocols</b> Development of new communication networks in CAN-FD and Ethernet. Lead investigations on time synchronisation and V2X concepts in multinational, geographically dispersed teams. Development and procurement of new Ethernet switch. Worked in SAFe framework. CAN-FD / C&S INVIO / Matlab & Simulink / Ethernet	<b>Volvo GTT</b>
05/18 – 06/19	<b>International Graduate Consultant</b> After a month of training in Geneva, I went to Lyon to work as a consultant for Volvo GTT. At the end of the year I passed to the main company: AKKA Technologies.	<b>The AKKAdeemy</b>
01/18 – 04/18 internship	<b>Technical Engineer</b> Working in the area of physical security, making custom solutions of CCTV, access control and license plate reading. Answering to public procurements from public companies and municipalities. Genetec / Matlab / C# / MS Office	<b>Gloone</b>
01/17 – 08/17	<b>Assistant Professor of Electronics</b> Assistant professor of Electronics laboratory class taught to 2nd year students. Multisim / Simulink	<b>FEUP</b>

### EDUCATION

2012 – 2017	<b>MSc in Electrical Engineering and Computers</b> Final grade: 17/20. With topics such as Automation, Systems Based in Computer Intelligence, Industrial Computing, Electronics, Power and Adapted Electronics, Measurement and Instrumentation, Classical Control Theory, Digital Control, Robotics and Programming. During my masters I had experience with different types of PLCs (Schneider, Siemens) and IDEs (Unity Pro, Isagraf, Codesys, TIA). My thesis included the full development of a non-intrusive IoT water meter using Sigfox and with Android App development	<b>FEUP, Portugal</b>
9/15 – 2/16	<b>Erasmus+ Mobility Program</b>	<b>Universiteit Gent, Belgium</b>

### LANGUAGES

**Portuguese** - native  
**English** - fluent (C1)  
**Spanish** - fluent (C1)  
**French** - intermediary (B1)

### HOBBIES

Sports - I played handball for 6 years, reading, debating, cooking, live music, travelling and hiking.

### VOLUNTEERING

ESN Porto member for 2 years. Organizing events for international students. Coordinating multiple teams. In 2017 I was voted the best Projects Coordinator of ESN Portugal.