

Paula A Graça

Porto, Portugal

✉ paula.graca@fe.up.pt | 🌐 paulaaagrace.github.io | 📧 paulaaagrace | 🌐 paulaaagrace | 🐦 paulaaagrace



Education

BSc+MSc in Electrical and Computer Engineering

FACULTY OF ENGINEERING OF THE UNIVERSITY OF PORTO

Porto, PT

2015 - 2020

- Branch of Telecommunications, Electronics and Computers, with focus on microelectronics and signal processing.

ERASMUS+ Program - Electrical and Computer Engineering

TECHNICAL UNIVERSITY OF MUNICH

Munich, DE

Sep 2018 - Sep 2019

- Personally, the Erasmus+ program was an outstanding experience, since it brought me the opportunity to live and study in Germany. Being in Munich, allowed me to have a unique first-hand contact with new cultures, and experience a completely different education system while improving my skills in various new fields of knowledge.
- Minor courses in communication acoustics and audio technology, VLSI design and nanoelectronics.

Experience

Invited Assistant Lecturer

FACULTY OF ENGINEERING OF THE UNIVERSITY OF PORTO

Porto, PT

Oct 2020 - Present

- Laboratory of Digital Systems and Circuits I

Researcher

CENTRE OF ROBOTICS AND AUTONOMOUS SYSTEMS (INESC TEC)

Porto, PT

Oct 2020 - Present

- AutoMon Project - responsible for software development and further technical support

Undergraduate Researcher

GROW PROJECT - CENTRE OF ROBOTICS AND AUTONOMOUS SYSTEMS (INESC TEC)

Porto, PT

Feb 2020 - Oct 2020

- GROW Project - my goals were to improve the localization precision of an experimental USBL system for short and long range and to develop a digital signal processing architecture in HDL.

Technical Supporter

CIRC

Munich, DE

Jun - Sep 2019

- CIRC is an E-Scooter Start-Up, whose goal is to provide "cleaner, safer, better-connected journeys".
- As a technical supporter, I performed quality checks on the scooters, distributed them around the city and provided mechanical support.

Monitor at SPE and MUP

FACULTY OF ENGINEERING OF THE UNIVERSITY OF PORTO

Porto, PT

2017 - 2018

- During two weeks a year, I volunteered to monitor several groups of high school students through scheduled activities that promote and explain more about Electrical and Computer Engineering (SPE | MUP)

Publications

Experimenting with RF-433MHz for Low-Cost Short Range for Edge Device Communications

FILIPA S. BARROS, PAULA A. GRAÇA AND HÉLIO S. MENDONÇA

- IJUP 2020 - 13th Meeting of Young Researchers of the University of Porto

Event Organization

IEEE R8 Student & Young Professional Congress 2018, Porto

HEAD OF BRANDING - ORGANIZATION

Porto, PT

25 - 29 Jul 2018

- My role as Head of Branding was to lead and manage the team that creates all the branding and overall image of the event, run the social media, supervise the website and communicate with the media.
- In the event, each organization member received an IEEE medal of recognition from IEEE President and CEO Jim Jefferies

Competitions and Awards

Feb 2020	Google Hashcode 2020 , PARTICIPANT	Porto, PT
Oct 2019	EUvsVirus Hackathon , TEAM EUPHONIC	Online
Oct 2019	IEEEExtreme 13.0 , NATIONAL 6 TH PLACE / INTERNATIONAL 714 RD PLACE	Maia, PT
Apr 2019	Neeil It at CEiiA , 4TH PLACE	Matosinhos, PT
Nov 2017	BEST SciTeCH'17 , 1 ST PLACE - WINNER	Porto, PT
Feb 2017	Google Hashcode 2017 , PARTICIPANT	Porto, PT
Oct 2016	POP'16 - Programming for Optimization and Performance , PARTICIPANT	Porto, PT

Additional Training

Introduction to Python

PARTICIPANT - 20/20

- 16 hour training session on Python hosted by OERN.

Online

8 May 2020

Introduction to Machine Learning with Python

PARTICIPANT - 17/20

- 16 hour training session on Machine Learning hosted by OERN.

Online

19 Jun 2020

Introduction to real-time video processing on heterogeneous computing platforms - Zynq SoC

PARTICIPANT

- Workshop exploring the capabilities of Xilinx Zynq SoC, through practical exercises with HDL design and an FPGA board.
- Lectured by Prof. Tomasz Kryjak from the Computer Vision Laboratory in AGH University of Science and Technology, Kraków Poland.

Porto, PT

26 - 27 Nov 2019

IEEE Leadership Camp 2019

IEEE UP SB SECRETARY

- 3 day event that gathers members in leadership positions from each IEEE Portugal student branch.
- The activities focused on project management, team building, recruitment techniques and leadership skills.

Lisbon, PT

4 - 6 Oct 2019

Microsoft IoT Labs

PARTICIPANT

- A day long *workshop* that focused on Raspberry Pi and IoT, introducing their relation with the Windows 10 IoT Core, Node-RED and connection to the cloud.

Porto, PT

14 Feb 2017

Skills

Tech	Matlab (4/5)	VHDL (4/5)	Verilog (4/5)	C (3/5)	C++ (3/5)	Python (3/5)	Embedded Systems (4/5)	Signal Processing (4/5)
Skills	Teamwork	Communication	Critical	Observation	Problem-Solving	Adaptability		
Design Tools	Autodesk Fusion 360	Adobe Photoshop	Adobe Premiere	Adobe Illustrator				

Languages

Native Portuguese

Others English (advanced), Spanish (elementary), German (elementary)

Extracurricular Activity

IEEE PT

SOCIAL MEDIA MANAGER

- I am responsible for coordinating all social media accounts of IEEE Portugal, making sure to make visible all activities of the IEEE Portuguese organizational units.

Portugal

Mar 2020 - Present

IEEE UP Student Branch

ACTIVE MEMBER

- Integrating this student branch has allowed me to develop important communication and team management skills and gave me the opportunity to organise diverse events, such as talks, workshops and technical weeks.
- Robotics and Automation Society member since 2017; Design and Communication department 2017-2020; Secretary 2019/2020

Porto, PT

Sep 2016 - Present