

Sofia Cardoso Martins

☎ (+351) 917499449 ✉ up201606033@g.uporto.pt 📍 Porto, Portugal
in linkedin.com/in/sofia-martins-95140217a 🐙 github.com/SofiaCardosoMartins



Education

Integrated Master in Informatics and Computing Engineering

Sep 2016–Jul 2021

Faculty of Engineering, University of Porto

📍 Porto, Portugal

Average: 17/20

Erasmus+ Exchange Programme

Fev 2020–Jul 2020

Faculty of Electrical Engineering, Mathematics & Computer Science, Delft University of Technology

📍 Delft, Netherlands

Courses

CISCO CCNA Training

Oct 2020–Present

CISCO Networking Academy

📍 Porto, Portugal

Ongoing course to acquire the CCNA certification - an associate-level Cisco Career certification, focused on networking technologies, software development skills, and job roles.

Instructor Training

Sep 2020

Faculty of Engineering, University of Porto

📍 Porto, Portugal

Participated in a 4-day training unit to acquire the necessary skills to carry out the role of an instructor of college students. The training unit allowed me to get to know the tasks and the role of the instructor, to learn to distinguish and use the most effective communication attitudes, as well as individual and team *Coaching* techniques.

Instructor Training

Jun 2019

Faculty of Psychology and Education Sciences, University of Porto

📍 Porto, Portugal

Obtained certification for having participated in a 1-day training unit, aimed at training instructors of secondary school students. It focused especially on the role of the instructor as a guiding and motivating agent, on techniques for dealing with disturbances within the classroom and with students with learning difficulties, with physical or mental disabilities.

Experience

Teaching Assistant for undergraduate students

Oct 2020–Nov 2020

Faculty of Engineering, University of Porto

📍 Porto, Portugal

I was accepted to assist one of my professors in one course unit dedicated to first-year college students. As the students needed to carry out a research project dedicated to simulation tools and algorithms (culminating in the of a poster, report and presentation), my role was to guide them in this process, clarify their doubts and help them overcome any obstacles arising from the research work.

Research Scholarship in Machine Learning (NLP)

Sep 2019–Jun 2020

Artificial Intelligence and Computer Science Laboratory

Faculty of Engineering, University of Porto

📍 Porto, Portugal

I joined the LIACC laboratory as part of a research grant. The research project consisted of developing a pipeline to collect geo-referenced tweets in real-time and subsequently classify their sentiments. To achieve this goal, supervised and unsupervised Machine Learning algorithms were used, based on the state of the art of Sentiment Analysis and Natural Language Processing. As a result, the designed pipeline enabled the overlapping of aggregated sentiment values, corresponding to the same locations within various cities, to the respective maps. This tool brings up many opportunities for future research as it is a valuable asset to assess citizens' opinions on various aspects, such as satisfaction with public transportation systems.

Logistics Officer: Sunset Hackathon

Aug 2019–Sep 2019

Hardware City

📍 Aveiro, Portugal

Contributed to the preparation and execution of the Sunset Hackathon 2019, a 72-hour technological marathon, held in Costa Nova, Aveiro, which brought together new talents, startups and companies focused on technological innovation. As part of the Logistics team, my role spanned all phases of the event organisation. In the preparation phase, it consisted of searching for sponsors, contacting companies and managing these partnerships. Already in the implementation phase, it included the coordination of resources - tools provided to participants, food, etc - and ensuring that the pre-defined schedules were adhered to.

Summer School Instructor

Jul 2019

Faculty of Engineering, University of Porto

📍 Porto, Portugal

After my application to work as an instructor of high-school students at my faculty, during the summer, I was selected to carry out the summer school activities. I became in charge of organising and conducting activities that were aimed at introducing the object-oriented programming paradigm to high-school students, using the open-source **Alice** environment. Over a month, I had the opportunity of welcoming four teams of students, each one for five days a week, and introduce them to some of the skills developed during the Integrated Master program.

Skills

Programming Languages

C C++ Java JavaScript Python PHP Prolog

Web Frameworks

Laravel Phoenix React

Databases

MongoDB

PostgreSQL

SQLite

SQL

Software Development Methodologies

SCRUM

Competitions

TecStorm

2019

📍 Lisbon, Portugal

Participated, along with 4 team members, in a 3-day **technological marathon** held in Pavilhão do Conhecimento (Lisbon). Our team was able to define a simple 5G protocol, and develop a prototype to demonstrate our approach using Arduino.

NOS Hackathon IoT

2019

📍 Leiria, Portugal

Participated, along with 4 team members, in a 3-day technological marathon held in Marinha Grande (Leiria). Our team succeeded in developing a prototype dedicated to the detection of the number of people in a closed environment, using Raspberry Pi and computer vision algorithms.

Student Awards

High School Diploma of Merit

2016

Finished high school as one of the best graded students, with a final average of 18.2/20.

Elementary School Diploma of Merit

2013

Finished elementary school as one of the best graded students.

Languages

› **Portuguese** Mother tongue

› **English**

Certificate for English (Faculty of Arts and Humanities, University of Porto)

	Use of English	Writing	Speaking	Final Mark
Mark	18/20	17/20	17/20	17/20
CEF Level	C1	C1	C1	C1

Certificate for English (Duolingo English Test)

	Literacy	Conversation	Comprehension	Production	Final Mark
Mark	125/160	130/160	140/160	105/160	130/160

Organizations

Portuguese Tennis Federation

2013–2017

Personal interests

- Teaching
- Coaching
- Running
- Hiking
- Climbing
- Nutrition
- Classical Music