



Bernardo Amaral

 10, November, 1996

 914 983 136

 Benedita, Alcobaca | Arroios, Lisboa

Areas of interest: Full-Stack, IoT, Data Science, Machine Learning, AI

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Skills: C, Python, Java, Javascript, HTML, Sass, MySQL, PHP, Ionic, Angular, PHP, Linux, Arduino IDE, MongoDB, Git



Education

- Sep 2014 - Dec 2019  **Integrated Masters in Electrical and Computer Engineering (MEEC) | Instituto Superior Técnico (IST)**
- Major in Computers and Minor in Telecommunications
 - Dissertation with final grade of 19 | "Air Quality Monitoring and Interpolation System for IoT Applications"
 - Academic excellence diploma 2018/2019
- Oct 2015 - May 2019  **Member of Núcleo de Estudantes de Eletrotecnia e Computadores do Instituto Superior Técnico (NEECIST)**
- Development and presentation of **workshops** and **lectures** for students
 - Organization and promotion of **Jornadas da Engenharia Eletrotécnica e de Computadores no Instituto Superior Técnico** – participation in various activities (matchmaking, technological exhibitions, lectures and workshops)
 - **IST Summer Internships** organization – contact with companies | bridge between students and companies



Projects

- Web app dedicated to message distribution to users in different locations | Flask, jQuery, RabbitMQ
- Database for an health care center with a web app for navigation | MySQL, HTML, PHP
- Distributed and parallel implementations of a sudoku solver | MPI, OpenMP
- Mobile app with simple culinary recipes | Ionic, Spring
- Web app dedicated to the visualization of air quality in the city of Lisbon | Javascript, Python, Mapbox
- Simple vigilance system with Android app integration | Java, Raspberry Pi



Volunteering and other activities

- Fev 2020  **Volunteering project in Siem Reap, Camboja with the organization Teach How to Fish**
- Community development and support project for children in a village
- Nov 2015  **International robotics competition RoCKIn: 2015 edition, in Lisboa**
- Functions: support to the organization
- 2013/2014  **Vice-coordinator of the group Jovens Sem Fronteiras da Benedita (20 people)**
- Functions: organizing weekly meetings, planning activities



COMPLEMENTARY TRAINING

- Dramatic Expression Course | Member of the theater group of Instituto Superior Técnico (2016 a 2017)
- First Certificate in English (2014)
- Sports training: Federated athlete | Athletics at Clube Recreativo da Ribafria (2013 a 2015) | Tennis at Clube de Ténis de Alcobaca (2003 a 2010)
- Piano course in articulated training - 4º grade | Academia de Música de Alcobaca (2009 a 2011)



SOFT SKILLS

