

# Luís Barbosa

## Curriculum Vitae

✉ [luisfernandobarbosa@live.com.pt](mailto:luisfernandobarbosa@live.com.pt)

📁 [luisvilarbarbosa.github.io](https://github.com/luisvilarbarbosa)

*"We all have our time machines.  
Some take us back, they're called memories.  
Some take us forward, they're called dreams." - Jeremy Irons*

## Education

- 2014–2019 **Integrated Master in Informatics and Computing Engineering**, FEUP (Faculty of Engineering of the University of Porto), Porto, GPA: 16 out of 20.
- 2011–2014 **Sciences and Technologies**, Escola Secundária José Régio, Vila do Conde, GPA: 17,1 out of 20.

## Masters Thesis

- Title *Intelligent Analysis of Complaints*
- Supervisors Professor Henrique Lopes Cardoso & Ph.D. student Gil Rocha
- Description This thesis explored the use of different approaches and features to perform the classification of free text using natural language processing techniques.
- Institution LIACC - Artificial Intelligence and Computer Science Laboratory
- GPA 18 out of 20

## Experience

### Vocational

- 2018–2019 **Operations Chair**, TALK A BIT 2019, Porto, GPA: 17 out of 20.
- Talk a Bit 2019 was a non-profit tech conference organized by graduating MIEIC (Integrated Master in Informatics and Computing Engineering) and MESW (Master in Software Engineering) students at FEUP, the Faculty of Engineering of the University of Porto, focusing on the future of technology. The conference started in 2013 with less than 150 attendees and emitted 500 tickets in 2019.
- As an Operations Chair, I had to manage all the tasks necessary to assure that the conference had the equipment, spaces and personnel necessary to ensure the successful holding of the conference, had to delegate tasks between the members of the Operations department and had to communicate with entities of FEUP and some external entities to ensure some services.
- The organization of this conference can be consulted on [talkabit.org/organization.html](https://talkabit.org/organization.html).

2018 **Back-End Developer**, FEUP/iTGrow/CRITICAL SOFTWARE, Porto, GPA: 18 out of 20.

As part of the Project Management Laboratory course unit, I worked on the project “Beyond Sight”, a project proposed and developed for iTGrow/Critical Software that aimed to allow total or partially blind people to follow Microsoft Office PowerPoint presentations by showing the presentation on a website in real-time. Once the presentation is displayed on the website, it is possible for a screen reader to read the text to the user.

The website was developed using React Native and Node.JS.

2017–2018 **Back-End Developer**, FEUP, Porto, GPA: 17 out of 20.

As part of the Software Development Laboratory course unit, I worked on the creation of a website that presented the project “Stop PropagHate” and demonstrated how it worked.

“Stop PropagHate” is an API that aims to bring to the Internet an environment without hate speech using natural language processing techniques.

This project received support from Google’s Digital News Initiative.

2014–2019 **University Projects**, FEUP, Porto.

Several projects developed in group, using different languages and technologies:

- Programming Languages: C/C++, C#, Java, JavaScript, PHP, Prolog, Python.
- Programming tools: Microsoft Visual Studio, Eclipse, Git, Atom, Visual Studio Code.
- Databases: SQLite, PostgreSQL, SQLServer, MySQL.
- Web Technologies: HTML, CSS, Bootstrap, jQuery, WebGL, Node.JS.
- Software Testing: Mocha.
- Operating Systems: Microsoft Windows, Linux.
- Others: .NET, Android, Xamarin, L<sup>A</sup>T<sub>E</sub>X, Kettle.

Some of these projects are available on [github.com/LuisVilarBarbosa](https://github.com/LuisVilarBarbosa).

### Miscellaneous

2018–Present Worked in the “openvpn-server” project which allows to easily install an OpenVPN server on a Ubuntu/Debian-based machine.

This project is available on [github.com/LuisVilarBarbosa/openvpn-server](https://github.com/LuisVilarBarbosa/openvpn-server).

2017 Worked in the “FilesStructureAnalyser” project which allows performing several types of comparisons and some other operations between files and directories.

This project is available on [github.com/LuisVilarBarbosa/FilesStructureAnalyser](https://github.com/LuisVilarBarbosa/FilesStructureAnalyser).

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### Awards

2016 Certificate of 2<sup>nd</sup> place on the Competition “1<sup>st</sup> Programming for Optimization and Performance (POP’16)” organized by the SPeCS laboratory and the IEEE Student Branch of FEUP - Faculdade de Engenharia da Universidade do Porto, Porto.

2014 Diploma of student of the Board of Value and Excellence (12<sup>th</sup> year), Escola Secundária José Régio, Vila do Conde – GPA: 17.1 out of 20.0.

2012 Diploma of student of the Board of Excellence in terms of assiduity (10<sup>th</sup> year), Escola Secundária José Régio, Vila do Conde.

2011 Diploma of student of the Board of Value and Excellence (9<sup>th</sup> year), Escola Secundária José Régio, Vila do Conde.

2011 Certificate of winning team on the 9<sup>a</sup> Edição do Dia Aberto by FEP - Faculdade de Economia do Porto, Porto.

2011 Certificate of participation on the 9<sup>a</sup> Edição do Dia Aberto by FEP - Faculdade de Economia do Porto, Porto.

- 2010 Diploma of participation on “Jornadas com Energia” by EDP Gás.
- 2009 Diploma of student of the Board of Excellence (7<sup>th</sup> year), EB 2/3 Frei João, Vila do Conde.
- 2009 Diploma of participation in the experimental activities of “Magia 7”, performed at EB 2/3 Frei João, Vila do Conde.
- 2008 Diploma of student of the Board of Value and Excellence (6<sup>th</sup> year), EB 2/3 Frei João, Vila do Conde.
- 2006 Diploma in Basic Skills in Information Technologies by Escola Superior de Educação do Instituto Politécnico do Porto.
- 2006 Diploma of participation in the contest “Uma Aventura... Literária 2006” promoted by Editorial Caminho.

## Computer skills

- Basic Web Security, Computer Systems Security.
- Intermediate JavaScript, Prolog, PHP, HTML, CSS, Node.JS,  $\LaTeX$ , OpenOffice, Eclipse, Git, Android, Xamarin, Computer Graphics, Distributed Systems.
- Advanced C/C++, SQL, Java, Python, C#, .NET, Linux, Microsoft Windows, IP Networking.

## Publications

- 2019 Luís Barbosa, João Filgueiras, Gil Rocha, Henrique Lopes Cardoso, Luís Paulo Reis, João Pedro Machado, Ana Cristina Caldeira, and Ana Maria Oliveira. Automatic Identification of Economic Activities in Complaints. In *7th International Conference on Statistical Language and Speech Processing (SLSP)*.

## Languages

- |            |                     |                                     |
|------------|---------------------|-------------------------------------|
| Portuguese | <b>Mothertongue</b> |                                     |
| English    | <b>Intermediate</b> | <i>Con conversationally fluent</i>  |
| French     | <b>Basic</b>        | <i>Basic words and phrases only</i> |

## Interests

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|------------------------|------------------------|
| - Swimming             | - Cycling              |
| - Running              | - Driving              |
| - Computer programming | - Movies/Video editing |
| - Cooking              | - Photography          |
| - Singing/Karaoke      | - Stand-up comedy      |
| - Listening to music   | - Reading              |
| - Do it yourself       | - Traveling            |