Filipa **Ramos**

BSc + MSc Computer Engineering Student · Faculty of Engineering of the University of Porto

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Education

FEUP(Faculty of Engineering of University of Porto)	*Porto, Portugal*
BSc + MSc in Computer Engineering (currently on the first year of the MSc)	*Sep. 2013 - PRESENT*

- Current average: 15 out of 20
- Main topics covered: Algorithms and data structures, algorithm design and analysis, graphic computing, software engineering, web applications, computer networks, databases, distributed systems and artificial intelligence.

Skills

Programming	Java, C/C++, JavaScript, C#, Prolog, LaTeX
Web	Express with Node.JS, HTML5, CSS3, Handlebars, Bootstrap
Databases	SQL Server, MySql, SqLite, PostgreSQL
Operating Systems	Windows, Ubuntu Linux
Languages	Portuguese (native), English (C2 awarded by the University of Cambridge)

Extracurricular Activity

IEEE Student Branch of University of Porto	*Portugal*
Member	*Mar. 2016 - PRESENT*

- Projects **here**. Monitor of a paid LaTeX initiation workshop. 2016/2017 chair of the IEEE affinity group "Women in Engineering" of Porto's University - lead a team of 37 people. "Women in Engineering" Portuguese Section secretary.

WebSummit 2016	*Portugal*
Directional Assistant Volunteer	*Nov. 2016*

Google Hash Code 2016	*Portugal*
635th globally (8th of Portugal)	*2016*

SPE - "Week profession: Engineer"	*Portugal*
"Project Management Optimizer" project was chosen to be presented.	*Mar. 2017*

Main Projects

Graph Library	*3rd year*
github.com/Areadrill/JGraphLib	*May 2016*

- Library built to integrate with a compiler for navigational systems. The library has all the possible graph operations plus the application of dijkstra and yen.
- **Technologies: Java**

Project Management Optimizer	*3rd year*
github.com/gtugablue/Project-Management-Optimizer	*March 2016*

- Allocation of workers to a project's tasks taking into account the duration of each task and the skills of each member. Two different meta-heuristics were applied: genetic algorithms and simulated annealing.
- **Technologies: Java, GraphStream, Json**

Distributed Backup System	*3rd year*
github.com/FilipaRamos/Distributed-Systems-Demo	*April 2016*

- System to store files divided in chunks over several computers on a LAN network using UDP.
- **Technologies: Java**

Sales Representative Force Automation Web Application	*4th year*
github.com/FilipaRamos/SalesRep-Force-Automation	*November 2016*

- Web application to assist sales workers. I was responsible for the C# backend API which communicates with the Primavera ERP software database.
- **Technologies: C#, Primavera ERP, Node Js, AngularJS**