Miguel Oliveira Sandim

Curriculum Vitae

✉ migsandim@gmail.com
LinkedIn ⇱ | GitHub ⇱
Gender: *Male* | **Nationality:** *Portuguese*
Date of Birth: *July 7, 1994*

Education

2012 – Present	**Integrated Master in Informatics and Computing Engineering (5th year)**, *Faculty of Engineering of University of Porto (FEUP)*, Portugal, *Expected average grade: 18 out of 20*.

Publications

1. Alvaro Figueira, Miguel Sandim, and Paula Fortuna. An approach to relevancy detection: Contributions to the automatic detection of relevance in social networks. In *New Advances in Information Systems and Technologies*, pages 89–99. Springer, 2016.

2. Dalila Lima, Miguel Sandim, Paula Fortuna, and R.J.F. Rossetti. A route assignment approach to vehicle emergency evacuation. In *Modelling and Simulation 2014 - European Simulation and Modelling Conference, ESM 2014*, pages 221–225, 2014.

Work Experience

Sept. 2015 – Aug. 2016	**Research Fellow**, *CRACS - INESC TEC Research Laboratory*, Porto, Portugal. Collaboration in the "REMINDS" (RElevance MINing and Detection System) project, under a research grant supported by FCT. Development of data retrieval applications from social networks (Facebook and Twitter), classification using crowdsourcing tools (Crowdflower) and analysis of the gathered data. Skills involved: R, Java, PostgreSQL, LaTeX applied to scientific writing
Jan. 2015 – Jun. 2015	**Research Fellow (BIC)**, *Faculty of Engineering of University of Porto*, Porto, Portugal. Collaboration in the "ICT For Future Mobility" project, under a Scientific Initiation Grant (BIC) supported by FCT. Research of possible network performance metrics that can be predicted/calculated from GPS traces provided by AVL (Automatic Vehicle Location) systems. Summarization of tendencies on the topic regarding metrics and techniques used. Skills involved: LaTeX applied to scientific writing
Sept. 2014 – Nov. 2014	**Teaching Assistant - "Project FEUP"**, *Faculty of Engineering of University of Porto*, Portugal. Guided several freshmen student groups weekly throughout a project execution involving a scientific report, a presentation and a poster.
May 2014 – Aug. 2014	**Research Fellow (BIC)**, *CISTER*, Porto, Portugal. Development of a pollution monitoring flying station with the use of a quadcopter, entitled "Sensing in Motion" ⇱ , under a Scientific Initiation Grant (BIC) supported by FCT. Skills involved: C/C++, Arduino, node.js

Computer Skills

Programming languages	Java, C/C++, R, Python, SQL, HTML5/CSS3, Javascript
Databases	Neo4j, PostgreSQL, SQLite
Markup	LaTeX, Markdown
OS	Windows, Ubuntu
IDE	RStudio, Jupyter Notebook, IntelliJ IDEA, Eclipse
Version control	GIT

Massive Open Online Courses (MOOCs)

July 2016	**CS105x Introduction to Apache Spark** ⇱ – edX, University of California, Berkeley.
Sept. 2015	**Machine Learning** ⇱ – Coursera, Stanford University.
Aug. 2015	**R Programming** ⇱ – Coursera, Johns Hopkins University.

Languages

	Understanding	Speaking	Writing
Portuguese	Native language		
English	C1	C1	C1
Spanish	B1	B1	A2