

## Gustavo Rocha da Silva

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### EDUCATION

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**Faculty of Engineering of the University of Porto** | Porto, Portugal | 2013 - 2018

BSc (3 years) + MSc (2 years) in Informatics and Computing Engineering

Current grade: 18/20

### EXPERIENCE

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**Software Engineering Intern** | Armis | Porto, Portugal | Jul 2017 – Aug 2017

- Worked in a map visualization module for an internal product, gaining experience with technologies such as Angular, ASP.NET and PostGIS.
- Developed a business intelligence solution for the same product using SQL Server, SSIS, SSAS and Power BI. Acquired knowledge in multiple Data Warehousing concepts related to good design practices and ETL processes for keeping multidimensional cubes up-to-date.

**Teaching Assistant** | Faculty of Engineering of the University of Porto | Porto, Portugal | 2016 - 2017

- Assisted the professors of the following courses, helping students by answering their questions and monitoring their progress: Programming (Feb - May 2017), Graphical Applications Laboratory (Oct - Dec 2016), Computer Graphics (Feb - Jun 2016)

### PROJECTS

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- Musaic – had the role of CEO in a simulated company with real clients, managing a multidisciplinary team of 40 students, as part of a course named “Project Management Laboratory” – [www.musaic.ml](http://www.musaic.ml)
- Associação Cuidadores – had the role of scrum master while developing a website, forum and mobile app for a non-profit organization – [github.com/gtugablue/LDSO](https://github.com/gtugablue/LDSO)

### PRESENTATIONS

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- Participation in “Semana Profissão: Engenheiro” with the projects “Racinix” (Mar 2015), “MOD X” (Mar 2016), “Lift Management” and “Project Management Optimizer” (Apr 2017).
- Participation in “University of Porto’s Science, Teaching and Innovation Display” with the projects “LPOOL”, “MOD X” (Mar 2016), “Lift Management” and “Project Management Optimizer” (Apr 2017).
- Lectured an eight-hour C++ workshop (Oct 2016) and a three-hour Python workshop (Feb 2017).

### SKILLS

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- Technical tools:
  - Databases: PostgreSQL, SQL Server, MySQL, SSIS, SSAS, PostGIS
  - Languages: C/C++, Java, HTML, PHP, CSS, JavaScript, Python
  - Frameworks: Node.JS, Angular, Android
  - Collaboration: GitHub, Travis CI, Slack, Trello
- Cambridge Certificate in Advanced English (Level C1).

### EXTRACURRICULAR

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- Volunteered in the Operations Team of Web Summit 2016.
- Participated in multiple programming, engineering and creativity events such as:
  - European BEST (Board of Engineering Students of Technology) Engineering Competition
  - BEST SciTech (2nd place)
  - Porto Summer of Code
  - Google HashCode (306th place – 4th best of Portugal)
- Member of NIAEFEUP (Jan 2016 – Present) – helped in events, workshops and currently responsible for a project already in use that aims to automate the process of scheduling exams in my faculty.