

## Gustavo Rocha da Silva

Maia – Portugal  
☎ +351 913343632  
@ silva95gustavo@gmail.com  
S silva95gustavo

🌐 <http://gustavosilva.me>  
🔗 <https://github.com/gtugablue>  
🌐 <https://linkedin.com/in/silva95gustavo>

### EDUCATION

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**Facultat d'Informàtica de Barcelona** | Barcelona, Spain | Sep 2017 - Jan 2018

Erasmus+ exchange programme. Topics studied: Deep Learning; Concurrency and Parallelism; Virtual and Augmented Reality; Geometric Tools for Computer Graphics.

**Faculty of Engineering of the University of Porto** | Porto, Portugal | Sep 2013 - Jul 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 on 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. Built a Data Warehouse and created 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).
- Completed a course on Machine Learning by Stanford University on Coursera.

### EXTRACURRICULAR

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