# Gustavo Rocha da Silva

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## EDUCATION

**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; Intelligent Data Analysis Applications in Business.
**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

**Software Engineering Intern** | Bosch Car Multimedia | Feb 2018 – Jul 2018
- Worked on my master's thesis under the topic "Object detection in thermal images".

**Software Engineering Intern** | Armis | Porto, Portugal | Jul 2017 – Aug 2017
- Worked on a map visualization module for an internal product.
- Developed a business intelligence solution for the same product using a Data Warehouse and ETL processes.

**Teaching Assistant** | Faculty of Engineering of the University of Porto | Porto, Portugal | 2016 - 2017
- Assisted the professors and helped the students of the following courses: Programming (Feb - May 2017), Graphical Applications Laboratory (Oct - Dec 2016), Computer Graphics (Feb - Jun 2016).

## PROJECTS

- 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
- 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

## PRESENTATIONS

- 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

- Technical tools:
  - Databases: PostgreSQL, SQL Server, MySQL, SSIS, SSAS, PostGIS
  - Languages: C/C++, Java, HTML, PHP, CSS, JavaScript, Python
  - Frameworks: Node.JS, Angular, Android, Keras
  - 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

- Member of the organization team of JobIT'18, a conference that connects new graduates with companies.
- 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.