

# 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

Master in Informatics and Computing Engineering

Current grade: 17.5/20

## EXPERIENCE

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

- Assisted the teachers of the following courses, helping students by clarifying their doubts and monitoring their progress:
  - Graphical Applications Laboratory (Oct - Dec) - focused in the development of practical works, multidisciplinary as possible, namely in the areas of Computer Graphics and Interfaces, Logic Programming and Operating Systems.
  - Computer Graphics (Feb - Jun) - aims to transmit knowledge of concepts, techniques, algorithms, computer graphics technologies and architectures.

## PROJECTS

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- Racinix – Racing game with procedural track generation, physics and multiplayer mode, developed in low level C for the Minix OS.
- LPOOL – Pool game constituted by a desktop server application in Java and an Android client that works as the remote controller.
- MOD X – 2-player boardgame with its logic developed in Prolog and the 3D user interface in Javascript using WebGL.

## PRESENTATIONS

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- Participation in “Semana Profissão: Engenheiro” with the projects “Racinix” (Mar 2015) and “MOD X” (Mar 2016).
- Participation in “University of Porto’s Science, Teaching and Innovation Display” with the projects “LPOOL” and “MOD X” (Mar 2016).
- Lectured and helped on an eight-hour C++ workshop (Oct 2016).

## SKILLS

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- Technologies/languages: C/C++, Java, HTML, PHP, CSS, SQL, Javascript, WebGL, Android.
- Cambridge English: Advanced (CAE).
- Comfortable with the use of common collaboration tools such as GitHub, Slack and Trello.

## EXTRACURRICULAR

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- Volunteered in the Operations Team of Web Summit 2016.
- Participated in multiple programming, engineering and creativity events such as:
  - ENEI (National Meeting of Students of Computer Science)
  - 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 at NIAEFEUP (Sep 2016 – Present).
- Recruit at NIAEFEUP (Jan 2016 – Sep 2016).
- Attended the Tutorial “Programming GPUs with CUDA” organized by NVIDIA.
- Basketball player as a hobby and federated athlete between 2003 and 2013.