

# Diogo Barroso

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## LINKS

Github:// [diogobarroso](#)  
LinkedIn:// [diogobarroso](#)  
Portfolio: [diogobarroso.github.io](#)

## EDUCATION

### UNIVERSITY OF PORTO

Faculty of Engineering  
**INTEGRATED MSc IN INFORMATICS  
AND COMPUTING ENGINEERING**  
Expected Jan 2018  
Expected grade 13/20

## COURSEWORK

Algorithms and Data Structures  
Operative Systems  
Computer Graphics  
Software Engineering  
Artificial Intelligence  
Distributed Systems  
Game Development  
Human-Computer Interaction  
Virtual and Augmented Reality  
Computer Vision

## SKILLS

### PROGRAMMING

Java • C/C++ • Python  
C# •  $\text{\LaTeX}$  • Javascript • SQL

### TECHNOLOGIES

Unity • Facebook Graph • OpenGL •  
Bootstrap

### PLATFORMS

Android • Web • Linux • Windows

## PORTFOLIO

Every project below  
available at [diogobarroso.github.io](#)

### HAND WARFARE

AR • Vuforia • Unity

### TUGUÍADAS

Unity • Game Jam at the Museum

### HYPER DRONE RACING

Unity • Racing game

## EXPERIENCE

### CATERPILLAR MATH | GAME DEVELOPER

May 2017 - October 2017 | Portugal and Pittsburgh, PA, USA

- Developed game prototypes to be tested as proof of concept to potential customers and/or investors.
- Worked abroad on the startup's projects during the CMU Portugal InRes Program in the USA.

### CARNEGIE MELLON UNIVERSITY | CMU PORTUGAL INRES ENTREPRENEUR

September - October 2017 | Portugal and Pittsburgh, PA, USA

- Took part in a series of workshops and events to help starting entrepreneurs developing their ideas.
- Spent the 2 month program in CMU's incubator Project Olympus developing a business idea, attending events and networking as part of Caterpillar Math.

### UNIVERSITY OF PORTO | TEACHER ASSISTANT

Fall Semester 2015 and Fall Semester 2016, Portugal

- Monitored and helped first year students developing a project for a first year course, FEUP Project. The course aims to promote the integration of students in the Faculty.

### UNIVERSITY OF PORTO | SUMMER CAMP MONITOR

Summer 2016, Portugal

- Taught 3D modeling to 6th and 7th graders using SketchUp. Each group would spend a day, learning the tools in the morning and doing a personal project in the afternoon.

## RESEARCH

### UNIVERSITY OF PORTO | MSc DISSERTATION

Feb 2017 - Jul 2017

Worked on an educational game to teach Software Engineering (SE) concepts to programmers who want to get into SE. Developed new features and improved the players' (second year students from Informatics Engineering) learning outcomes.

## ACCOMPLISHMENTS

May 2017 - present | Game Dev Meet @ Porto

- Organizes the event in a monthly basis, with up to 80 participants

Jan 2017 | Global Game Jam @ Porto

- Organized and led the volunteer team during the 48h event

Feb 2016 | HeartBits Hackathon

- Developed an app to advise pregnant women about the medication they are taking and recommends alternatives if dangerous to the pregnancy
- Project was mentioned in Mike Elsmore's **post** in his IBM blog

## SOCIETIES

2014 - present | Núcleo estudantil de Computação Gráfica @ FEUP

- Member since 2014, President of the General Assembly since 2015
- Organizes events for the community and leads internal projects