

# Pedro Amaro

Highly competent and ambitious graduate with a number of publications, projects and awards. Excellent technical skills, using knowledge of Software Architecture, Artificial Intelligence, Computer Vision and Web Development to solve problems in a variety of projects. Strong interpersonal skills as well as being self-motivated, enabling working well and independently within a team. Passionate about solving difficult problems in order to cultivate my skills, while benefiting the world as a whole.

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Portuguese

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## EDUCATION

### Faculty of Engineering of the University of Porto

#### Integrated Masters in Informatics and Computing Engineering

Bsc (3 years) + MSc (2 years)

2014 - 2019

Grade: 17/20

## PUBLICATIONS AND PROJECTS

### Multi-Robot Learning of High-Level Skills in RoboCup

2019

Master's thesis with an emphasis on multi-robot collaboration.

The skills that were developed are well integrated within a team.

They were responsible for winning or tying simulated soccer games.

### Using Simulation Games For Traffic Model Calibration

2019

Published paper on the feasibility of calibrating traffic models with a low-cost driving simulator.

### Google Summer of Code / OpenStreetMap — [3dmr.eu](http://3dmr.eu)

2017 - Present

Began as a Google Summer of Code project and launched in March 2018.

Serves as a repository of 3D models in order to increase the graphical fidelity of 3D map renderers.

Used as an API by at least 3 other projects.

## AWARDS

2019 | Google Hash Code

Ranked 543rd out of 6671

participants in the qualification round.

2018 | Jscrambler's Ninja

Challenge Ranked 2nd out of

650 participants.

2014 | International Olympiad

in Informatics Participant.

2014 | National Olympiad in

Informatics Ranked 2nd out of

28 participants in the finals.

## LANGUAGES

Portuguese (Native), English

(C2 Proficiency), Spanish (A1)

## SKILLS

Interests: Software

Architecture, Artificial

Intelligence, Simulation,

Computer Vision

Use regularly: Python,

JavaScript, Java, C++, C, SQL,

HTML5, CSS3, Git, PostgreSQL

Have used: Keras, OpenCV, Qt,

C#, Lua (C library), Prolog,

GLSL, LaTeX, Redis, NGINX