# JOÃO CARTUCHO

**Interests**    Computer Vision, Robotics, Machine Learning.

Outside the University, I'm committed to open source and online communities providing answers to specific technical/programming questions. On GitHub I have over 10 PR's merged to the OpenCV repository. On Stack Overflow I have helped over 200k people.

**Education**    CARNEGIE MELLON UNIVERSITY                                  Pittsburgh, PA, USA
10/2017–12/2017
Erasmus.

POLITECNICO DI TORINO                                            Torino, Italy
09/2015–08/2016
Erasmus.

INSTITUTO SUPERIOR TÉCNICO, LISBON                          Lisbon, Portugal
09/2013–now
(planeado) Mestrado Integrado em Engenharia Aeroespacial.
Data de graduação esperada: 12, 2017

UNIVERSITY ENTRANCE EXAMINATION                               PORTUGAL
National Exams (final grade 0-20):

- Mathematics A: 18.1
- Physics and Chemistry: 19.8

## Expérience Professionnelle

GOOGLE SUMMER OF CODE 2017                                    Lisbon, Portugal
05/2017–08/2017
OpenCV Documentation Improvement tools

- developing open source code.

GOOGLE SUMMER OF CODE 2016                                        Torino, Italy
05/2016–08/2016
Multi-language OpenCV Tutorials in Python, C++ and Java

- developing open source code.

## Activités Professionnelles

Em Portugues

**Compétences**    *Compétences*: Vision, Robotique, Programmation, Architecte Logiciel, Management
*Langages de Programmation*: C++, Python
*Bibliothèques Logicielles*: OpenCV, ROS, Boost, OpenMP, TBB, PVM, MPI
*Autres Intérêts*: Android, Drupal, Matlab, Javascript, PHP, NOSQL
*Langues*: Français (natif), Anglais (bilingue), Espagnol (fluent), Portugais (débutant), Italien (débutant)

## Honors/Awards
–Academic Merit Diploma, IST - Aerospace, 2015/2016
–FCT Scholarship, CMU
–2nd place, CMU's Annual Robotics Hackathon

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| **Publications** | Towards a Robust Interactive and Learning Social Robot<br>*Submitted to AAMAS 2018.*<br>Michiel de Jong, Kevin Zhang, Travers Rhodes, Aaron Roth, Robin Schmucker, Chenghui Zhou, Sofia Ferreira, João Cartucho, Manuela Veloso. |
| **References** | **Manuela Veloso**<br>Head, Machine Learning Department<br>Carnegie Mellon University<br>veloso@cs.cmu.edu<br><br>**Vincent Rabaud**<br>Google Inc., Senior Software Engineer<br>OpenCV Foundation, Co-founder<br>vincent.rabaud@gmail.com |

*Last update: 22 de Janeiro de 2018*