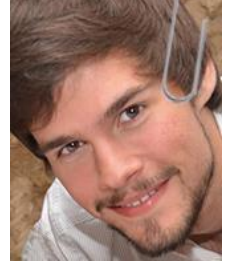# DIOGO SANTOS

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ABOUT ME

A Jack-of-all-trades keen on mastering them all. Passionate to show his talents and improving even further, motivated to add value to whatever role he performs. With a particular interest in Artificial Intelligence areas: Machine Learning, Planning and Robotics. Outside computers, a poetry writer, music lover, photography enthusiast and a fairly decent juggler.

EDUCATION

Faculdade de Engenharia da Universidade do Porto   2011 – 2016
Master in Informatics and Computing Engineering
Average: 18/20

Escola Secundária Garcia de Orta   2008 – 2011
Sciences and Technologies
Average: 18/20

WORK EXPERIENCE

MASDIMA   Porto, Portugal
Systems integrator and developer   Oct 2014–Sep 2015
- Multi-agent protocol/algorithm development and maintenance
- Pre-existent systems integration and documentation

JS Digital Imaging Unipessoal, Lda.   Porto, Portugal
Photography lab technician and photography editor (intern)   Jul 2011–Aug 2011
- Facilitated interaction with foreign customers using English speaking capacities
- Enhanced communication with the customer during photo editing processes

TECHNICAL SKILLS

- **Operative Systems:** Windows (4/5), Windows Phone (4/5), Linux (3/5), Android (3/5), iOS (1/5), Mac OS (1/5)
- **Programming Languages:** C (2/5), C++ (3/5), C# (3/5), Java (4/5), Scala (2/5), Prolog (3/5)
- **Web Technologies:** PHP (2/5), HTML5 (3/5), CSS (3/5), JavaScript (3/5), AngularJS (2/5), Node.js (3/5)
- **Databases:** PostgreSQL (3/5), MySQL (2/5), SQLite (2/5)
- **Other Tools:** LATEX (4/5) , OpenCV (3/5)

PROFESSIONAL DEVELOPMENT

- **Artificial Intelligence Planning Course**   Jan–Mar 2015
  Coursera – Edinburgh University
- **Machine Learning Course**   Sep–Dec 2014
  Coursera – Stanford University

- **Photoshop CS4**   Sep, Oct 2009
  Professional formation – CESAE Centro de Serviços e Apoio às Empresas

RECENT PUBLICATIONS

- **Integrating Electric Buses in Conventional Public Transit:**   2016
  A First Appraisal
  Master's Degree Dissertation - Master in Informatics and Computing Engineering
  Faculdade de Engenharia da Universidade do Porto
- **Three Dimensional Modelling of Porto's Network for Electric**   2016
  Mobility Simulation
  2016 IEEE 11th Iberian Conference on Information Systems and Technologies
  Authors: Diogo Santos, José Pedro Pinto, Rosaldo Rossetti, Eugénio Oliveira
- **A Weighted Constraint Optimization Approach to the Nurse**   2015
  Scheduling Problem
  2015 IEEE 18th International Conference on Computational Science and Engineering
  Authors: Diogo Santos, Pedro Fernandes, Henrique Lopes Cardoso, Eugénio Oliveira

COMPLEMENTARY ACTIVITIES

- **Microsoft – Microsoft Student Partner**   Nov 2014-Sep 2015
  Sponsored by Microsoft to hold events and lectures to bring people
  closer to the latest technologies for better achieving their goals.
- **nuIEEE – IEEE Student Branch, Universidade do Porto**   2013–present
  Member. Official IEEE branch, offering activities for student members.
- **NAAM – Aeronautics, Aerospace and Modelling Society, FEUP**   2011–present
  Member. Student group for aeronautics and aerospace enthusiasts.
- **Presenter - nuIEEE Java workshop (2nd edition)**   Mar 2014
  Along with logistics, creation of tutorial exercises and technical support.

ACHIEVEMENTS

- **IEEEXtreme – 24-Hour Programming Competition, by IEEE**   Oct 2013–2015
  Ranked 201 out of 2477 worldwide, 2nd place in Portugal (2015)
  Ranked 262 out of 1720 worldwide, 2nd place in Portugal (2014)
  Ranked 179 out of 7500 worldwide, 3rd place in Portugal (2013)
- **IEEEmadC – Mobile Applications Development Contest, by IEEE**   Feb 2014
  Member of the *DROP TABLE* team
- **Two times Portugal Cup champion (2008/2009) – Field Hockey**   2008-2009
  Playing for *Sport Club do Porto*

LANGUAGES

- **Portuguese**   Native language
- **English**   Advanced
- **Spanish**   Basic - Intermediary