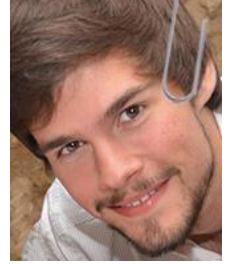# DIOGO SANTOS

Porto, Portugal
diogo.rgsantos@gmail.com

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
Final grade: 18/20 – Grade A on the European grading scale

Escola Secundária Garcia de Orta	2008 – 2011

Sciences and Technologies
Final grade: 18/20

WORK EXPERIENCE

LIACC - Artificial Intelligence and Computer Science Laboratory   Porto, Portugal
Researcher and developer   Jul 2016–present
- Application of Computer Vision methodologies to *Intelligent Transportation Systems*
- Industry integration of research results in collaboration with *Armis Group*

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

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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:** Java (4/5), C# (3/5), Python (3/5), C++ (3/5), C (2/5), Scala (2/5), R (2/5), Prolog (2/5)
- **Web Technologies:** HTML5 + CSS (3/5), JavaScript (3/5), AngularJS (2/5), Node.js (3/5), Spring (3/5), PHP (2/5)
- **Databases:** PostgreSQL (4/5), MySQL (2/5), SQLite (2/5)
- **Other Tools:** LaTeX (4/5), OpenCV (3/5), FFmpeg (3/5), RapidMiner (2/5)

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

- **Towards the Integration of Electric Buses in Conventional Bus Fleets** 2016
  2016 IEEE 19th International Conference on Intelligent Transportation Systems
  Authors: Diogo Santos, Zafeiris Kokkinogenis, Jorge Freire de Sousa, Deborah Perrotta, Rosaldo Rossetti
- **Integrating Electric Buses in Conventional Public Transit: A First Appraisal** 2016
  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 Mobility Simulation** 2016
  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 Scheduling Problem** 2015
  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 organize events and lectures.
- **nuIEEE – IEEE Student Branch, Universidade do Porto** 2013–present
  Member. Official IEEE branch, offering activities for student members.
- **Presenter - nuIEEE Java workshop (2nd edition)** Mar 2014
  Along with logistics, creation of tutorial exercises and technical support.

LANGUAGES

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