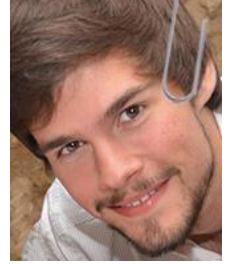


DIOGO SANTOS

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

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

Escola Secundária Garcia de Orta

2008 – 2011

Sciences and Technologies

Average: 18/20

WORK EXPERIENCE

Artificial Intelligence and Computer Science Laboratory (LIACC)

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

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: 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.

ACHIEVEMENTS

- **IEEEExtreme – 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)
- **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