

## Luís Miranda Cruz's Curriculum Vitae



### Luís Cruz

**FULL NAME**

Luís Miranda da Cruz

**DATE OF BIRTH**

January 15, 1989

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### Profile

I am passionate for learning new things and I am very dedicated to everything I do in my life. I am a motivated person and I like to do stuff that challenge creativity.

### Research Interests

Green Computing, Mobile Computing, Software Engineering, Living Analytics

### Education

INESC-TEC Technology & Science | 2013-to date

PhD Student - MAP-i doctoral program

Working Title - Combining Living Analytics and Educational Data Mining to Model Student Performance

Faculdade de Engenharia da Universidade do Porto (FEUP) | 2006-2011

Master in Informatics and Computing Engineering (MIEIC)

Final grade - 17/20 - A on the European Grading Scale

Master thesis - Humanoid Robot Nao: Developing Behaviours for Soccer Humanoid Robots. July, 2011

Escola Secundária de Barcelinhos (High School) | 2003-2006

Science course

Final Grade - 18.4/20

### Working Experience

- Intern at Palo Alto Research Center (Parc) May 2015 - December 2015
- Assistant Lecturer at FEUP of the unit course Software Development Laboratory (LDSO) 2013/14 and 2014/15.
- Software architect and developer at Tecla Colorida, Lda., 2012 - 2013.
- Researcher of 'Escolinhas Criativas' project from University of Porto, September 2011 - March 2012.
- Researcher at AMADEUS project - *Aspects and Compiler Optimizations for Matlab System Development* in August-October 2009 and July - September 2010.
- Junior assistant at FEUP of the unit course Computer Graphics 2009/10.

### Articles in conference proceedings

- Cruz, L., Rubin, J., Abreu, R., Ahern, S., Eldardiry, H., & Bobrow, D. G. (2015, November). A wearable and mobile intervention delivery system for individuals with panic disorder. In Proceedings of the 14th International Conference on Mobile and Ubiquitous Multimedia (pp. 175-182). ACM.
- Cruz, L., Reis, L. P., Lau, N., & Sousa, A. (2012). Optimization approach for the development of humanoid robots' behaviors. In *Advances in Artificial Intelligence-IBERAMIA 2012* (pp. 491-500). Springer Berlin Heidelberg.

- **Luís Cruz** and Luís Paulo Reis and Luís Rei: Generic Optimization of Humanoid Robots' Behaviours. In Proceedings of the 15th Portuguese Conference on Artificial Intelligence. Luis Antunes, H. Sofia Pinto, Rui Prada, Paulo Trigo (Eds.) (2011) 385-397
- Strecht, P., **Cruz, L.**, Soares, C., Mendes-Moreira, J., and Abreu, R. (2015). A comparative study of regression and classification algorithms for modelling students' academic performance. In *Educational Data Mining 2015*.
- Aguiar, Ademar, Ana Cristina, Gonçalo Silva, **Luís Cruz**, and Martina Šimičić. "Schoooooools.com: Um Ambiente de Aprendizagem Social e Colaborativo para o Ensino Básico." In Proceedings of the II International Conference in TIC and Education -- ticEDUCA 2012. p. 2482-2486

## Skills

### Informatics

- Programming Languages (Python, Ruby, Swift, C/C++, Java, OCAML, JavaScript)
- Notation languages (HTML5, CSS, UML, SASS, JSON)
- WEB technologies (Ruby on Rails, Sinatra, NodeJS, Django, AJAX, jQuery, Bootstrap, Neo4J, PHP, SQL, AngularJS, D3)
- Mobile applications (Apache Cordova / Phonegap, Ionic Framework / iOS / Android)
- Data Mining (Scikit, Pandas, R)
- Others (SVN, Git, Maxima, Matlab, LaTeX)

### Languages

- 1st language: Portuguese
- 2nd language: English

### Product Development

- Scrum, Extreme Programming

## Awards

- Academic Excellence Award (2008) - related to the 2nd year of MIEIC at FEUP, with a grade of 17.9.
- 7th place at the national finals of the Portuguese astronomy contest "1<sup>as</sup> Olimpíadas de Astronomia" 2004/2005.

## Relevant Training

- Attended the Multidisciplinary Summer School on Design as Inquiry 2011, in Kiel, Germany.
- Attended the Learning Analytics Summer Institutes Local Madrid (LASI-local Madrid 2014)
- Completed the CS190.1x: Scalable Machine Learning online course offered by BerkeleyX
- Attending the Data Analyst Nanodegree program by Udacity