Daniel Cardoso

Nationality: Portuguese
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WORK EXPERIENCE

06/2013 – Ongoing	**Researcher at Instituto Superior Técnico**	**Portugal**

Department of Computer Science and Engineering
Exploration of Temporal Patterns in Classification Problems

07/2013 – 12/2013	**IT Developer at Betapp**	**Portugal**

Developed the website, which involved participating on the decision of all frameworks and layers our system would have;

For the interface we used regular HTML, CSS, Javascript and jQuery;

The server-side logic is handled using the Ruby on Rails framework and PostgresSQL;

Hosting with Heroku for the web app and Amazon S3 for web resources (images and videos).

Other technologies and frameworks were used outside of the website (team blog, managing e-mail servers, etc.)

EDUCATION

Instituto Superior Técnico – University of Lisbon   **Portugal**

09/12 – 07/14   **MSc in Information Systems and Computer Engineering**

Major: Software Engineering
Minor: Enterprise Information Systems

Completed Courses:
- o Spring 2013
  Advanced Programming 18 / 20
  Middleware for Distributed Internet Applications 18 / 20
  Independent Studies III 16 / 20
  Architecture, Processes and Tools for Information Systems 16 / 20
- o Fall 2013
  Computational Biology 15 / 20
  Natural Language 17 / 20
  Master Project in Information and Software Engineering 14 / 20
- o Spring 2014 (ongoing)
  Master Thesis - Information and Software Engineering

Utrecht University   **Netherlands**
09/12 – 02/13   **Exchange Program**

Completed Courses:
Intelligent Agents 8/10
Data Mining 7.5 / 10
Multimedia Retrieval 6/10
Queries and Retrieval 7.5/10
Software Architecture 8/10

Instituto Superior Técnico – University of Lisbon   **Portugal**
09/09 – 06/12   **BSc in Information Systems and Computer Engineering** – Final GPA 16 / 20
Completed Courses:
- o Spring 2012
  Analysis and Synthesis of Algorithms 17 / 20
  Distributed Systems 17 / 20
  Independent Studies II 14 / 20

Modeling 14 / 20
Software Engineering 16 / 20
- Fall 2011
  Artificial Intelligence 14 / 20
  Computer Networks 17 / 20
  Databases 18 / 20
  Human-Computer Interaction 17 / 20
  Independent Studies I 10 / 20
- Spring 2011
  Compilers 17 / 20
  Computer Graphics 16 / 20
  Logic for Programming 17 / 20
  Probabilistic and Statistic 16 / 20
  Systems and Signals 16 / 20
- Fall 2010
  Complex Analysis and Differential Equations 12 / 20
  Electromagnetism and Optics 17 / 20
  Management 15 / 20
  Object-Oriented Programming 17 / 20
  Operating Systems 16 / 20
- Spring 2010
  Computer Architecture 17 / 20
  Differential and Integral Calculus II 14 / 20
  Discrete Mathematics 17 / 20
  Introduction to Algorithms ad Data Structure 16 / 20
  Mechanics and Waves 15 / 20
- Fall 2009
  Differential and Integral Calculus I 14 / 20
  Digital Systems 16 / 20
  Foundations of Programming 15 / 20
  Linear Algebra 17 / 20
  Theory of Computation 14 / 20

High School José Gomes Ferreira   **Portugal**
09/2007 – 06/2009   Baccalaureate in General Sciences (Math emphasis) – Final GPA 17/20

CERTIFICATIONS

University of Waikato   **Online**
11/2013   **Data Mining with Weka**

MITx an online learning initiative of **The Massachusetts Institute of Technology**   **Online**
09/2012   **6.00x: Introduction to Computer Science and Programming**

PROJECTS

Academic:
Instituto Superior Técnico
- **1st year:**
  Mastermind game using Scheme16 / 20
  Tetris game using C 18 / 20
  Snake game using Assembly 17 / 20
- **2nd year:**
  File System using C 17 / 20
  Cellphone operator manager using Java 17 / 20
  IMDB like database in Prolog 17 / 20
  Compiler for language @ (created by the course professor) using Lex, Yacc and C++ 17 / 20
- **3rd year:**
  Android App (Interfaces, no real functionality) 17 / 20
  Intelligent player of Chinese checkers using Lisp 15 / 20
  Distribution and Security improvement in Cellphone Operator Manager using Java and JBOSS 17 / 20
- **4th year:**
  Hospital Integration System using Oracle's SOA & BPM Development VM 17/20
  PADI-FS: Distributed File System in C# .Net 17/20

EXTRACURRICULAR ACTIVITIES / INTERESTS

2002 – 2012	**Activity**: Handball Player for Sport Lisboa e Benfica
1997 – 2002	**Activity**: Member of Boy Scouts of Portugal

AWARDS AND HONOURS

09/2013	**Award**: Winner of Energia de Portugal 2013
	One of the largest entrepreneurship contest in Europe with a prize money of 45.000€
2002-2012	**Award:** 2 Handball National Championships and several Vice-Championships
	While playing for Sport Lisboa e Benfica

LANGUAGE SKILLS

English	Fluent
Portuguese	native, fluent
Spanish	practical, beginner

SKILLS

Programming languages:

C++	Good implementation skills
Java	Good implementation skills
C	Good implementation skills
C#	Good implementation skills
Ruby	Good implementation skills
Python	Fair Implementation skills (learning)
Matlab	Fair implementation skills
Prolog	Fair implementation skills
Lisp	Fair implementation skills
SQL	Fair implementation skills
Scheme	Fair implementation skills
Assembly	Fair implementation skills

Web development languages:

HTML and CSS	Good implementation skills
Ruby on Rails	Fair Implementation skills (learning)
Javascript and PHP	Fair implementation skills

Environments:

- Microsoft Visual Studio
- Eclipse IDE

Testing:

- JUnit testing framework

Leadership:

- Managed various teams, between 2 and 6 members, during all the academic projects.
- Captain of the Handball team for the last 3 years

AVAILABILITY

Part-time positions starting now: NO	Full-time positions: starting from 08/2014	Available for international mobility: YES