

Ricardo Miguel Moreira da Cruz

Contact Information

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Profile

I am a self motivated and goal oriented person with a pro-active and dynamic spirit. My base formation in science and engineering gives me a high level of flexibility to adapt to ever changing and fast passed environments. I developed a special passion for study and knowledge and I am motivated by challenges and problems implying the use of creativity to reach new solutions, orientations and paradigms. I intend to progress my career in the financial services sector with a preference for analytical and technical client facing positions.

Education

**UNIVERSIDADE TÉCNICA DE LISBOA - INSTITUTO SUPERIOR TÉCNICO, Lisboa, Portugal
(from September 2005 to April 2008)**

MSc. in Information and Software Engineering (GPA of 17 values out of 20 possible)

Main study areas:

Enterprise Architectures, Decision Support Systems, Organisation and Information Systems, Analysis and Design of Information Systems, Three-Dimensional Animation and Visualisation, Autonomous Agents and Multi-agent Systems, Multimedia Application Development, User Centred Design

Master thesis:

Dissertation about emotion-based music composition under virtual environments, as a technique to increase the immersion and interactive experience of users. The thesis was developed at the Intelligent Agents and Synthetic Characters Group of the INESC-ID research institute in Lisbon. Achieved the classification of 19 values out of 20 possible.

**UNIVERSIDADE TÉCNICA DE LISBOA - INSTITUTO SUPERIOR TÉCNICO, Lisboa, Portugal
(from September 2002 to July 2005)**

BSc. in Computer Science (GPA of 13 values out of 20 possible)

Main study areas:

Mathematics, Physics, Computer Architecture and Microprocessors, Operating Systems, Database Technology, Computer Networks, Computer Graphics, Software Engineering, Artificial Intelligence, Management (soft skills)

Technical Skills

Fidessa Trading Platform

Programming languages

Development platforms

Database Management Systems

CASE tools

Operating Systems

Order management, market access, middle/back office, static data, market data and connectivity (focus in EMMA and FDA)

C, C++, C#, Java, SQL, Scheme and Lisp

JAVA and .NET

Sybase, Oracle, MySql and Microsoft Access

UML, Enterprise Architect

Windows, Linux and other UNIX like

Professional Experience

**FIDESSA PLC, London, United Kingdom
Enterprise Consultant**

September 2008 - Present

Achievements:

After an intensive training period I successfully fulfilled a on site placement with HSBC participating in the migration of the market access component to a new hardware platform. This project was followed by the involvement in a major in house project for the London Stock Exchange. Subsequently, assumed and developed the system maintenance coordination role, receiving, analysing and issuing maintenance notes for impacted customers (with platforms managed by the team). Assumed the customer aligned consultant and release manager roles in the context of a major enterprise migration (to a managed service) project.

Main responsibilities:

Customer aligned consultant responsible for managing a specific client platform with customer facing responsibilities communicating with the customer's business and technical resources. Customer release packaging and management. Implementation, integration and customisation of Fidessa's trading solutions covering the areas of order management, market access, middle/back office, static data, market data and connectivity.

INSTITUTO SUPERIOR TÉCNICO

Department of Information Systems and Computer Engineering, Lisboa, Portugal

Teaching Assistant (Computer Architecture)

March 2006 - July 2006

Achievements:

This experience enhanced my oratory and teaching skills to a level compatible with a higher education institution. From the 21 students of my responsibility 18 had successfully completed the project component of the discipline, and three achieved the mark of A+.

Main responsibilities:

Class teaching, exam correction, and student evaluation

Publications	Cruz, R., A. Brisson, A. Paiva, E. Lopes. 2007. I-Sounds - Emotion-based Music Generation for Virtual Environments . In: Proceedings of ACII 2007 , LNCS 4738, A. Paiva, R. Prada, and R.W. Picard. (Eds.) Springer-Verlag Berlin Heidelberg, 2007, pp. 769-770
Conference Talks	Cruz, R., A. Brisson, A. Paiva, E. Lopes. 2007. Poster participation, I-Sounds. Second International Conference on Affective Computing and Intelligent Interaction (ACII 2007) , Lisbon, Portugal, September, 2007
Social Skills	Good communication skills (written and spoken) Good interpersonal skills Team worker These skills were acquired in academic context during my BSc. and MSc. Degrees. Team work was a constant during project development for the different disciplines. The writing of reports and work presentations (usually in English) were also a habit in the school. My placement with Fidessa has since extended these to a professional collaborative context.
Organisational Skills	Planning work making efficient use of time Assume task ownership and prioritise Able to reschedule tasks accommodating changes in requirements or specifications The Instituto Superior Técnico included in the European CLUSTER consortium (Consortium Linking Universities of Science and Technology for Education and Research), promotes a culture of excellence and responsibility, where work planning and time management are of crucial importance to be successful. These factors were of higher importance on the development of my organisational and social skills.
Languages	Portuguese , mother language. Fluent English , proficient understanding, proficient speaker, proficient writer Intermediate Spanish , proficient understanding, independent speaker, basic writer.
Academic Participation	2006-2007 <ul style="list-style-type: none">• Co-ordinator and Instructor, of Digital Photography Course• Founding member of the Photography Group of IST-Taguspark (GFIST-TP)• Co-ordinator and Instructor, of Initiation to Photography Course (14 hours) 2005-2006 <ul style="list-style-type: none">• Mentor in the Mentoring program of IST, supporting school integration of five new students 2004-2005 <ul style="list-style-type: none">• 2nd Edition of the IST-Taguspark Seminars as part of the seminary program team
Other Skills	Photography course with the photographer José Gomes Ferreira, Movimento de Expressão Fotográfica, Carnide Lisboa (2006) Four years of basic piano instruction (official curriculum), Escola de Música do Colégio de São José, Guarda (2002)
Other Interests	Music in all of its diversity Landscape and B&W photography Ballroom dancing and other Latin rhythms Mountain trekking Theoretical Physics