

# Ricardo Miguel Moreira da Cruz

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PROFILE      With a base formation in science, I have chosen to study Information and Software Engineering due to my experience with computers since very early (1990). I have a dynamic and pro-active spirit and I was always committed with the school community. I developed a special passion for study and knowledge. In the future, I plan to complement my education with solid management skills. I am looking for new challenges and problems implying the use of creativity to reach new solutions, orientations and paradigms.

EDUCATION      **UNIVERSIDADE TÉCNICA DE LISBOA - INSTITUTO SUPERIOR TÉCNICO**  
**Lisboa, Portugal**  
**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 way to increase the immersion and interactive experience of users, 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.

**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)

PROFESSIONAL EXPERIENCE      **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 complete the practical component of the discipline, and three achieved the mark of A+.

Main responsibilities:  
Class teaching, Exam correction, Student evaluation and final practical mark attribution

**TERRAS DE AVENTURA - DESPORTO E LAZER EM NATUREZA, LDA.**  
Guarda, Portugal

***Web Administrator***

**January 2002 - to present**

**Achievements:**

The introduction of a web presence changed the company's relation with its customers. As a sport events company focused on mountain running, our customers can now check the results of our competitions at anytime and more quickly. The company's organisations have increased in number and participants, some of which now reach 300+ participants.

**Main responsibilities:**

Design and implementation of the support web page, Content maintenance

**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 PRESENTATIONS**

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 management of interpersonal relations  
Team work

Acquired in the university context during the BSc. and MSc. degrees, in which 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.

**ORGANISATIONAL SKILLS**

Work planning  
Resource management (time and human)  
Decision making

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. Work planning and time management is of crucial importance to be successful across the course years. These factors were of higher importance on the development of organisational and social skills. I also had the opportunity to be part of the organisation team of the 2nd Seminars of IST-Taguspark devoted to the theme of mobility, with responsibilities in the seminars program.

**ACADEMIC PARTICIPATION**

**School year 2006/2007**

- Organiser and Instructor, of Digital Photography Course
- Founder member of the Photography Group of IST-Taguspark (GFIST-TP)
- Organiser and Instructor, of Initiation to Photography Course (14 hours)

**School year 2005/2006**

- Mentor in the Mentoring program of IST, supporting the integration of five new students in the school

**School year 2004/2005**

- Seminários do IST-Taguspark 2ª edição, responsible for seminary program

LANGUAGES

**Portuguese**, mother language.

**English**, proficient understanding, independent speaking, proficient writing.

**Spanish**, proficient understanding, independent speaking, basic writing.

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