

# MARICEL MEDINA MORA

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## AREAS OF INTEREST

Instructional Technology, Human Factors, Usability, Accessibility, Software Development, Software Testing, Software Requirements Engineering, Software Project Management, Software Quality .

## EDUCATION

### Instructional Technology, Master of Education

George Mason University, Fairfax, Virginia  
GPA 4.0

September 2007– May 2009

### Computer Science, MSc. (Candidate)

Instituto Tecnológico de Costa Rica, Costa Rica, Central America  
GPA 3.08

February 2004 – June 2006

### Computer Science, Bachelor of Science

Instituto Tecnológico de Costa Rica, Costa Rica, Central America  
GPA 3.09

February 1995 – December 1998

## EXPERIENCE

### Graduate Research Assistant (GRA)

Center for Air Transportation Systems Research  
George Mason University, Fairfax, VA  
<http://catsr.ite.gmu.edu>

June 2007 – Present

Support research on human factors and usability. Design, develop and maintain an online tool for automated usability task analysis using PHP, Javascript and MySQL.

Tool available at [http://catsr.ite.gmu.edu/HCI\\_PA\\_4x](http://catsr.ite.gmu.edu/HCI_PA_4x)

### Software Engineering Consultant

Freelance Consultant  
<http://softwep.com/default.aspx>

October 2006 – Present

Provided consulting services on website usability and accessibility analysis, and training on software quality control and assurance.

### Associate professor

Instituto Tecnológico de Costa Rica, Costa Rica  
<http://www.itcr.cr>

June 2005 – June 2006

Taught undergraduate course *Information Systems for Business Administration*

## Skills

### Foreign Languages

Spanish (Native)  
English (Advanced)  
French (Advanced)  
German  
(Intermediate)

### Content/Learning Management Systems

Blackboard  
Moodle  
Joomla

### Software Tools

**Basic Skills**  
Adobe  
Dreamweaver  
Adobe Photoshop  
Adobe Flash  
ASP/ASP.NET  
Perl  
Camtasia Studio 6  
Snag It  
Wink

### Intermediate-Advanced

CSS  
GIMP  
HTML/XHTML  
JavaScript  
PHP  
Visual Basic  
MySQL  
MicrosoftSQL  
Oracle  
Microsoft Office

## Graduate Research Assistant

April 2002 – October 2003

Fraunhofer Institut für Experimentelles

Software Engineering, Kaiserslautern, Germany

[http://iesee.fhg.de/fhg/iesee\\_DE](http://iesee.fhg.de/fhg/iesee_DE)

Supported research projects through literature research and writing technical reports on Usability Patterns, Requirement metrics, and Test cases derived from requirements specifications. Supported the design of a methodology to derive State Chart diagrams from Use Cases using Rhapsody tool.

## Software Testing Department Manager

January 2000 – January 2002

Artinsoft, San José, Costa Rica

<http://www.artinsoft.com>

Managed the first Testing Team Department of the company including hiring, training, and selection of testing tools and methods. Managed the testing team effort for the Visual Basic 6 to Visual Basic .NET Upgrade Tool and Java Converter Assistant (Both tools created for Microsoft Co.). Worked in conjunction with Microsoft's Testing Team in order to get both products released, including visits to Microsoft's offices (Redmond, Seattle) to coordinate and evaluate progress on the testing efforts. Defined metrics for the testing team, product quality, and products defects.

## Software Developer and Project Lead

June 1996 – December 1999

Artinsoft, San José, Costa Rica

<http://www.artinsoft.com>

Developed and maintained an Inventory System using Oracle Forms and Oracle Database. Provided onsite technical support to customers in Central America. Gathered, defined and analyzed requirements for further versions of the tool.

## PAPERS & TECHNICAL REPORTS

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Sherry, L. Medina, M. Feary, M. Otiker, J. Automated tool for task analysis of NextGen automation. Integrated Communications, Navigation and Surveillance Conference, 2008.

Medina Mora, M., Denger, C. Requirement Metrics - An initial literature survey on measurement approaches for Requirement Specifications. IESE-Report 096.03/E, October 1, 2003.

Denger, C., Medina Mora, M. Test case derived from Requirement Specifications. IESE-Report 033.03/E, April 2003.

Denger, C., Kerkow, D., von Knethen, A., Medina Mora, M., Paech, B. Richtlinien - Von Use Cases zu Statecharts in 7 Schritten. IESE-Report 086.02/D, December 2002.

## MEMBERSHIPS & AWARDS

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2009 Vision Award of Academic Excellence, Office of Diversity Programs and Services, George Mason University, Fairfax, VA.

Member of the Phi Beta Delta International Honor Society, George Mason University Chapter

Member of the Society for Applied Learning Technology (<http://www.salt.org>)

## REFERENCES UPON REQUEST

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## SKILLS

### Web 2.0

Blogs

Wikis

Virtual Learning

Environments

(Second Life,

There)

Online

Collaborative

Environments

Social networking

Facebook

Twitter

Hi5

Video/Multimedia

Sharing Sites