

Alegria Baquero

CONTACT INFORMATION

Department of Informatics
School of Information and Computer Sciences
University of California, Irvine

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RESEARCH INTERESTS

My research interests lie within Software Architecture and Design, and more specifically in the evolving architecture of the Web and the design of complex and decentralized web-based systems for e-commerce and other industrial applications.

I am involved with the COAST (COmputAtional State Transfer) research group (formerly CREST), a project within the [Institute of Software Research \(ISR\)](#) at the [University of California, Irvine](#). COAST is a novel architectural style that subsumes content exchange under computational exchange as the foundation for secure, adaptable, decentralized systems. My research focus within the group is the design and implementation of multi-agency e-commerce systems that follow COAST constraints.

Currently I am working towards my advancement to candidacy on research surveying models and notations used to represent real world financial contracts and how negotiation between distributed agencies takes place to establish these digital commercial contracts.

ACADEMIC BACKGROUND

University of California, Irvine

Doctor of Philosophy

September 2009 – present

- Advisor: Professor Richard Taylor

University of California, Irvine

Master of Science

September 2007 – June 2009

- Informatics Department, Software track

Universidad Internacional del Ecuador, Quito, Ecuador

Marketing Engineering Degree

October 1999 – January 2001

Istituto Europeo de Design, Milano, Italia

Laurea in Computer Graphics

August 1996 – July 1999

HONORS AND AWARDS

- Google Anita Borg Scholarship finalist, 2011
 - CRA-W Graduate Cohort (CRA-W) Scholarship, 2009 and 2010
 - Miguel Velez Fellowship, University of California, Irvine, 2009
 - ICS Fellowship, University of California, Irvine, 2009
 - Cum Lauder Honor, Universidad Internacional del Ecuador, 2002
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POSTERS

- Gorlick, M., Strasser, K., Baquero, A., and Taylor, R.N. CREST: principled foundations for decentralized systems. In Proceedings of the ACM international conference companion on Object oriented programming systems languages and applications companion. p. 193-194, ACM: Portland, Oregon, USA, 2011.
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ACADEMIC APPOINTMENTS

University of California, Irvine

Research Assistant

June 2011 – present

CREST research group, Professor Richard Taylor

University of California, Irvine

Teaching Assistant

March 2011 – June 2011

Software Architecture and Distributed Systems, Professor Ban Al-Ani

University of California, Irvine

Teaching Assistant

January 2011 – March 2011

Human Computer Interaction, Professor Alfred Kobsa

University of California, Irvine

Teaching Assistant

September 2010 – December 2010

Informatics Core Course I (Scheme), Professor David Kay

University of California, Irvine

Research Assistant

September 2009 – August 2010

CREST research group, Professor Richard Taylor

PROFESSIONAL
EXPERIENCE

KMIKAZE Media, Quito, Ecuador

Co-founder and CEO

July 2001 – August 2007

- Project designer and manager, and developing team coordination
- Web solutions developer
- Multimedia solutions developer
- Quality control
- Administrative roles: payrolls, tax and accounting support, legal documents management, and other administrative duties

Yage Evolucion Digital, Quito, Ecuador

Multimedia developer

May 2000 – June 2001

- Multimedia media developer in Macromedia Director
- Personal communication with client for refining requirements
- Quality control

SERVICE
ACTIVITIES

- Student volunteer, International Conference on Software Engineering, May 2011, Honolulu, Hawaii.
- Co-organizer of the ICS Graduate Student Weekly Seminar 2010-2011. Provides a space where graduate students from the ICS School at the University of California, Irvine can present research work and get valuable peer feedback.

PROGRAMMING
SKILLS

- Proficiency in HTML, Lingo.
- Intermediate proficiency in Java, Scheme, ASP, SQL, CSS.
- Beginner skills in JavaScript, PHP, C.