

## **Eduardo Alberto Cuervo Laffaye**

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### Qualifications

Persevering and ambitious out of the box thinker Computer Science PhD student seeks entrance into an internship program to participate in research on mobile devices, in order to apply current research experience, and extend it to new environments. Background includes previous research and teaching experience, experience with several computer languages and tools, awards and certifications.

**Research Interests:** Mobile and Ubiquitous computing, Sensor Networks, Social Networks, Distributed Systems, Operating Systems, Virtualization, Wireless Networks, Security and Privacy

### Research Experience

#### **Duke University, Durham, N.C.**

Oct 2006-Present

JellyNet, Spineless Mobile Experimentation Platform

- Provide a mobile ad-hoc resource sharing and collaboration platform taking advantage of the pervasive nature of embedded devices
- Design, development and testing of the naming, tasking, fault-tolerance and management daemons

#### **Nokia Research Center, Palo Alto, CA**

Jun 2007-Dec 2007

*N800 Port of Xen (Internship)*

- Design and development of earlier phases of the port

#### **CMU Usable Privacy and Security Lab, Pittsburgh, PA.**

May 2004-Aug 2006

*Research Assistant*

- P3P Client migration and maintenance
- Propose alternative tools, technologies and methods for migrating and improving the software

#### **ITESM, México City, México**

Aug 2000-Dec 2004

*Computer Vision, Face Recognition Research (Jan-May 2003)*

- Design develop and test a system for face recognition
- Research and propose algorithms and techniques for performing the task above mentioned

*SQL To XQuery, Research Implementation Assistant (March-May 2002)*

- Implement a GUI for a SQL-XQUERY translator and an interface with the QuiP engine

**E-Business Applied Research Center at ITESM (CIANE) Sponsored by IBM, (Jan-Dec 2002)**

- Evaluate novel tools and technologies for implementing e-commerce related applications

### Publications

- P. Gilbert, E. Cuervo, L. Cox, Experimenting in Mobile Social Contexts Using JellyNets. In Proc. of 10th IEEE Workshop on Mobile Computing Systems and Applications (HotMobile'09), February 2009.

## Work Experience

### **Mexican Institute of Social Security/Softtek**

May 2005-May 2006

#### ***Software Architect, Economic Services Software product line***

- Participated in the definition and documentation of the architecture according to standards
- QA of common subsystems for the product line
- Definition of acceptance criteria for the systems in the product line
- Provide mentoring and support to developers of systems in the product line

## Education

DUKE UNIVERSITY, (2006-Present) Durham, NC

***Ph.D. in Computer Science.*** Third year Student

ITESM, Mexico City (2000-2004)

***B.S. in Computer Science.*** Graduated in Dec. 2004 (GPA:93/100)

CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA. (Ago-Dec 2004)

***B.S in Computer Science.*** Exchange Student (GPA: 4.0/4.0)

ICARNEGIE. (2000-2004)

***Computer Programmer Certification***

## Graduate Coursework

- Computer Architecture I & II
- Artificial Intelligence
- Analysis and Design of Algorithms
- Sensor Data Processing
- Operating Systems
- Networks and Distributed Systems
- Wireless Networks
- Advanced Databases
- Emerging Mobile and Distributed Systems

## Tech Skills

- **Languages:** C/C++, C#, Java, VB/VB.NET, 8086 Asm, Scheme, Prolog
- **OS:** Windows, Linux, Solaris
- **Tools:** Visual Studio, Eclipse, Rational Suite, RUP, ASP/ASP.NET, J2EE.

## Teaching Experience

- CPS110: Operating Systems, Teaching Assistant, Duke University (Aug 2006-Dec 2006)
- CB0860: Guest Lecture on Java RMI, ITESM
- Crystal Enterprise Workshop, Instructor, SIIIE, Mexico City (Oct 2002-Dec 2002)
- VB and C++ for Java Developers, Instructor, ITESM, Mexico City

## Awards

- Best Undergraduate of the year 2004, Technology, México
- School of Computer Science Dean's List (Carnegie Mellon University, Pittsburgh PA, Fall 2004)
- Best Project Award, Web Application Development (CMU, Pittsburgh PA, Fall 2004)
- 1<sup>st</sup> Place, 3<sup>rd</sup> Computer Systems Final Projects Fair. (ITESM, Mexico 2003)