

Mario Guajardo

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Education	The University of Texas at Austin Masters of Science in Computer Science, Minor: Business & Public Affairs	May 2008
	The University of Texas at Brownsville Bachelor of Science in Computer Science, Minor: Mathematics Honors	2000-2005
National and International Internships	Google, Inc. <i>Summer Intern (Platforms Networking Group)</i> Designed, implemented and deployed a network monitoring tool for Google's datacenters presenting project results in a technical talk at the company headquarters	Mountain View, CA May-Aug 2007
	Infosys InStep Global Internship Program <i>Summer Intern (Lucent Networking Engineering Team)</i> Designed and implemented a server in C to provided Management, Traffic Engineering and Service Assurance to native Ethernet networks without having to modify existing network switches	Bangalore, India May-Aug 2006
Volunteer Non-profit Internship	NPower Texas <i>Market Research & Development Intern</i> Conducted market research activities to be used during the establishment of the new NPower Texas: a technology consulting organization to help other non-profit groups	Austin, TX Sep-Dec 2007
Work Experience	Infrastructure, Telecommunications and Networks <i>Network Specialist for The University of Texas</i> Implemented more than ten projects in various areas of network management and monitoring for routers, switches, wireless units, security systems & firewalls for 10,000+ network users	Brownsville, TX Aug 2001-Dec 2005
Academic Experience	Disaster Informatics Global Initiative <i>LBJ School of Public Affairs</i> Investigated emerging online collaboration tools to help the coordination of government agencies, non-profit organizations, businesses, and volunteers during natural disasters	Austin, TX Sep 2007-May 2008
	Computer Vision Lab <i>Research Assistant for the Department of Computer Science</i> Conducted research in distinct areas of computer vision, virtual reality and cognitive science	Austin, Texas Spring 2007
	German FrameNet Project <i>Research Assistant for the Department of German Studies</i> Collaborated with teams in California, Germany and Spain to design and adapt a linguistics-IT project that automates the process of tagging a German corpus of ninety million words	Austin, TX Spring & Fall 2006
Conference Presentations	<ul style="list-style-type: none">▪ "Virtual Reality Vehicle Simulator," Richard Tapia Conference in Computing, Orlando, FL, 2007▪ "Wireless Network Diagnostics: Going Beyond the Ping," SACNAS, Austin, TX, 2004▪ "Integrated Monitoring System," SACNAS, Albuquerque N.M, & El Paso, TX 2003▪ "Beowulf-Based Curriculum Enrichment Integrated Lab," NACC, Washington, DC 2002	
Selected Project	Reliable Multicast using Network Coding in IEEE 802.11 Infrastructure Networks Co-designed a new MAC-layer protocol that improves the reliability of multicast transmission in infrastructure-mode wireless networks by using network coding techniques	
Relevant Courses	Public Affairs: Nonprofit Strategy and Entrepreneurship, Digital Transformation of Organizations, Conference Course in Policy Analysis MBA: Managing Business Process Outsourcing Computer Sciences: Machine Learning, Databases, Algorithms, Digital Image Processing, Graphics, Wireless Networking, Secure Network Protocols, Artificial Intelligence, Cognitive Sciences, Architecture Math: Number Theory, Real Analysis, Linear Algebra, Abstract Algebra, Calculus, D. Equations	
Abilities	<ul style="list-style-type: none">▪ Fluent in English & Spanish. Intermediate in French	
Community Service & Leadership	<ul style="list-style-type: none">▪ Volunteer Instructor for online scripting & DB courses at a Non-profit Educational Program▪ Vice-President, Historian and Webmaster of the International Student Organization at UTB▪ Executive committee member for the Graduate Representative Association of Computer Sciences	
Professional Development	<ul style="list-style-type: none">▪ Attended the 15th World Congress on Information Technology (WCIT) 2006▪ Participated in Austin Toastmasters Club▪ Traveled to 14 countries in Asia, Western Europe and North America in the last three years	