

# Marco A. Escobedo

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- Education**      **Massachusetts Institute of Technology (MIT)**      **Cambridge, MA**  
Master of Science in Media Arts and Sciences, June 2002.  
*Thesis: an Interface-Adaptive Voice over IP System for Poor Quality Networks*
- Monterrey Institute of Technology (ITESM)**      **Cuernavaca, Mexico**  
Bachelor of Science - Electronic Systems Engineer, December 1998.  
*Graduated with honors.*
- Experience**      **Telmex Center for Digital Culture**      **Mexico, D.F.**  
*Principal Researcher – Project Manager, September 2002 - present*
- Leading a joint project between Telmex-PalmOne with the goal to develop mobile solutions for medical, financial, and agricultural applications
  - Designed and developed a low-cost easy-to-use Server Appliance which allows small organizations to set up Web portals with minimal resources and no special skills.
  - Coordinated a joint project between Telmex-Siemens that proposed profitable business models for telecommunication services using 802.11 networks in rural locations.
  - Optimized the quality of service provided by the videoconference software of Telmex Internet kiosks.
- MIT Media Laboratory**      **Cambridge, MA**  
*Research Assistant, eDevelopment Group, June 2000 – August 2002*
- Research included evaluating, inventing, and deploying new information and communication technologies for remote and underdeveloped areas of the world.
  - Managed a team of seven engineers that implemented an 802.11 wireless network that provides fixed and mobile Internet access services to a rural community in the Dominican Republic.
  - Designed multi-literate software applications and agricultural information systems for the Media Lab Asia project “Sustainable Access for Rural India”.
  - Led a multidisciplinary team in a study of information technology use in the Dominican Republic. Results were presented to the Presidential Technology Advisor.
  - Presented research projects to industry and government leaders from several nations at Media Lab’s Digital Nations Consortium events in United States, Costa Rica, and Mexico.
- Softran International**      **Cuernavaca, Mexico**  
*Automation Software Engineer, January 1999 – May 2000*
- Proposed and deployed industrial automation solutions for Mexican Oil Industry and other major manufacturing industries in Mexico to monitor and control their production lines.
  - Provided technical support for critical problems presented on Industrial and Facilities Automation Systems.
- Technical Skills**      Application development for desktop and handheld platforms: Java, C, C++, Visual Basic, PalmOS  
Web application programming: HTML, JavaScript, PHP, XML, Content management systems  
Database management and design: MySQL, MSAccess  
Knowledge in: VoIP systems and protocols H.323 RTP/RTSP SIP, wireless networks architecture and deployment of WiFi 802.11, TCP/IP, PalmOS development, open-source systems  
Operating systems: Linux and Win 2000/NT.
- Publications**      M. Escobedo & M. L. Best. Convivo Communicator: an Interface-Adaptive VoIP System for Poor Quality Networks. To appear in the Journal of Information, Communication & Ethics in Society (ICES).
- M.L. Best, L. Burnes, M. Escobedo & H. Shakeel. Village Area Network, Bohechio. Proceedings of the Seventh International Working Conference of IFIP WG 9.4 (p. 211-220). Bangalore, India. 2002.
- Awards**      Awarded with the MIT Media Lab Research Fellowship, appointed as Telmex Fellow from 2000 to 2002.  
Awarded with the Telmex Foundation Fellowship for academic achievements from 1997 to 1998.