

PROFILE

Personal

- Responsible and honest; creative and innovator, open to new ideas and focused on continuous improvement.
- Well organized; capable to work efficiently in teams and under stress; focused in leadership.
- Efficient use of technology and dynamic response to its innovations and advances.
- Bilingual: Fluent in Spanish and English.

Professional

- Trained and experienced in problem solving, electronic analysis & design, and in the applied engineering field.
- Profile in Communication Systems, Control and Automation, Analog and Digital Electronics and Instrumentation.
- Supply Chain experience; negotiation, logistics and administration processes.
- Software knowledge: MRP systems, Virtual Instrumentation, Electronic simulation and design, Programming (high level, assembler, PLC), math software, OS and administrative software.

WORK EXPERIENCE

International Logistics and Productivity Improvement Lab @ Arizona State University

Research Assistant [Jan 2009 – Present]

- Research activities related to Logistics, Productivity and Supply Chain projects for public and private customers; develop of innovative methodologies based on specific projects' goals.
- Responsible for project scheduling, information management, efficient result reports and presentations.

Motorola, Inc.

Procurement Specialist [Sep 2005 – Dec 2008]

- Strategic purchasing of electronic components and supervision of the smooth flow of raw material through departments to assure supply for mass production, as a member of Motorola's Integrated Supply Chain team for Home and Networks Mobility Business.
- Execute procurement requirements, expediting and sourcing activities to meet production, inventory control and price reduction goals.

Home Promotion Coordination of the Sonora State Government

Systems Technical Support [Jul 2004 – Dec 2004]

- Home Promotion beneficiaries' data base administration. Development of a strategic system for the improvement of mass data sorting and retrieval.
- Preventive and corrective maintenance of system software and hardware.

ITESM Campus Monterrey - Integrated Manufacturing Systems Center

Engineering Assistant [Jan 2004 – Apr 2004]

- Support to Senior Engineering to IMSC's practices in manufacturing models.

ACHIEVEMENTS

- Responsible for significant inventory reductions of Motorola's high cost components with the use of micro-management tools, while assuring efficient supply for production requirements and lead time management.
- Developed improvements on the Motorola's order-supply process for outsourced production of specific sub-assemblies; eliminating stages of the process, and improving levels of consignment and finish goods inventories.
- Researched and developed –in conjunction with the San José Hospital of the Monterrey (México), Virtual Instrumentation for monitoring and measurement of dissipated currents in electrosurgery devices.
- Designed and constructed electronic prototypes with real applications such as: gas station automatization system, a robotic metal detector, a telecommunication system with DPCM and FSK via twisted pair media, among others.
- Obtained a 50% scholarship to study a B.S. degree at Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Monterrey.
- Member of several student federations and councils, organizing several workshop and conference cycles, as well as general student development activities.

EDUCATION

M.S. Industrial Engineering s/Production Systems and Logistics

Arizona State University, Tempe AZ [Current]

B.S. Electronic and Communications Engineering

Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM) Campus Monterrey [1999-2004]

Cisco Certified Network Associate Student

Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM) Campus Monterrey [2002-2004]