

# FERNANDO ECHEVERRI

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- Biomedical Engineering Technician with Associate's degree that includes field experience at Massachusetts General Hospital and Boston Medical Center
- Certified professional in maintenance and reliability for machinery and equipment
- Accomplished engineering manager with a proven track record in plant maintenance and reliability
- Diverse experience in planning, administration, and finance, with a focus on continuous improvement through the application of best practices
- Seasoned trainer with experience transferring and implementing integrated solutions and physical asset management strategies within the academic and industrial environments
- Bilingual in Spanish and English

## PROFESSIONAL EXPERIENCE

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**Massachusetts General Hospital**, Boston MA

02/15 - 05/15

### ***Biomedical Engineering Technology Intern***

- Assisted with maintenance, testing, and troubleshooting of a variety of biomedical equipment, such as: Sigma Spectrum IV infusion pumps, Solar 8000i Monitor-GE, GE Transport Pro monitoring, Philips Heartstart XL and AED defibrillator, Thermal Therapy-Medterm III, T-Pump, SSCOR Inc. Suction Pump, and Pulse Oximeters
- Learned about laser ray theory and applications in the operating room

**Learning Games Network**, Boston, MA

03/13 - 06/13

### ***Play Games-Learn Project Assistant***

- Ran the Xenos pilot program in several libraries, teaching English with interactive gaming software

**Asset Management Solutions**, Bogota, Colombia

02/10 - 12/11

### ***Maintenance & Reliability Engineer***

- **PETROBRAS PROJECT (Sector-Gas & Oil), Purificación, Colombia**
  - Managed a 5-engineer reliability team responsible for planning and scheduling of maintenance work, Root Cause Analysis (RCA), and Condition Based Maintenance (CBM) execution
- **SAVIA-PERU PROJECT (Sector-Gas & Oil), Talara, Perú**
  - Led the maintenance department structuration, focused on taxonomy for EAM-MAXIMO, Reliability Information Management (RIM), FMECA and RCA
- **CONCRETOS ARGOS PROJECT (Sector-Construction), Medellín, Colombia**
  - Consolidated planning and scheduling processes. Reviewed the mixers fleet renovation plan introducing LCCA, and established KPI's. Trained the staff in RCA.

**TKF Engineering & Trading**, Cali, Colombia

2005 – 2010

### ***Project Coordinator & Customer Service Support***

- Managed assembly of pre-treatment, treatment, drying, painting and polymerization processes of Yamaha's new motorcycles plant and delivered the project one month earlier than expected

**Carvajal S.A.**, Cali, Colombia

1982 – 2003

### ***Project Engineer***

- Improved the trimming process of packs for cigarettes, and helped the company to save \$250M.
- Improved the quality of side rubber application for books production line and generated savings of reprocessing for more than \$50M a year

### ***Maintenance Department Manager***

- Implemented Total Productive maintenance (TPM), 5S, and CMMS/EAM, and improved Overall Equipment Effectiveness (OEE) by 40%
- Managed the installation of forms printing plant in Costa Rica & Colombia

### **EDUCATION**

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**Benjamin Franklin Institute of Technology**, Boston, MA 05/2015

*Associate of Science in Biomedical Engineering Technology*, GPA: 3.8

**Society of Maintenance and Reliability Professionals (SMRP)**, Atlanta, GA 3/2013

*Certified Maintenance and Reliability Professional (CMRP)*

**EAFIT University**, Medellín, Colombia 8/2006

*Industrial Maintenance Specialist Diploma*

**Universidad del Valle**, Cali, Colombia 11/1981

*Bachelor of Science in Mechanical Engineering*

### **VOLUNTEERISM**

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- Taught computer and Spanish class to 18+ people at Dudley and East Boston Public Libraries

### **TECHNOLOGY SKILLS**

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- Electronics design: MULTISIM
- Microcontrollers: Arduino IDE, Atmel Studio
- Networking: Routing and Switching: Introduction to Networks. CISCO-CCNA
- Computers: C++, Extensive knowledge of Microsoft Project and Office
- Physical Asset Management: MP2, EAM MAXIMO from IBM (basics)
- Reliability: BlockSim (basics)