**FERNANDO ECHEVERRI**

86 Chesterfield Street Boston, MA 02136 | ferri\_1@yahoo.com | (857) 200-5415

* 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**

**Massachusetts General Hospital,** Boston MA02/15 - 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-Mediterm 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-engenieer 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**

**Benjamin Franklin Institute of Technology**, Boston, MA05/2015

*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**

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

**TECHNOLOGY SKILLS**

* 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)