I am a Gordon Engineering Leadership Fellow and currently pursuing a M.Sc. in Electrical and Computer Engineering at Northeastern University with graduation date on May 2016. US-Mexican Dual Citizenship

Currently I am working at Northeastern University in the First Year Engineering Student Center as a Laboratory Supervisor. Some of my roles in this position include: supervising and advising on the usage of hand tools and power tools; Answer questions that the students may have on MATLAB, C++, AUTOCAD, SOLIDWORKS and embedded system applicators; Supervise 3D printing design and operated 3D printing machines.

I have experience and solid knowledge in automation, instrumentation, robotics, electronics and programming and have taken courses that cover the areas of electrical, computer, instrumentation (actuators and sensors), mechanical, control and automation engineering.

I also have a broad knowledge of physics and hands on experience building and debugging electrical engineering projects that involve different programming languages.

I designed and built a pneumatic robot that was used to test detergents in a Quality Control Laboratory that operates in a hood under corrosive and volatile conditions.

I lead a project that processed on LabView data acquired from a meteorological station and turned it into a colloquial language weather report on twitter.

I built a robot emulator GUI on Matlab that ran the mathematical model of a manipulator and could save the robot motions into a program that could be loaded into an actual robot with out stopping the production line.