**SUMMARY**

8+ years of experience as a Mechanical Engineer. Looking to obtain a career that will utilize my skills as well as to enhance my abilities to the best I can be, a career that will develop my personality in the race for the success of the company and myself.

**CORE COMPETENCIES**

Microsoft Office, Solidworks, Matlab, Mathcad, Autocad, Prototyping, Manufacturing Process Design, Fabrication, R&D, and Standard Manufacturing Processes.

**PROFESSIONAL EXPERIENCE**

# Mechanical Engineer (Lead)

## ABC Corporation ­ February 2013 – Present

**Key Deliverables:**

* Analyzing the existing design to assist in the development of system requirements.
* Designing the fuel delivery system based upon existing design, tailored to customers requirements.
* Designing a compressed air delivery system based upon existing design, tailored to customers requirements.
* Aiding in the development of ancillary systems including CCTV, electrical, and data and controls.
* Developing retrofit for thrust frame mounting plates and thrust restraint fixture.
* Developing detailed technical data package in accordance with ASME y14.100, ASME y14.5, ASME y14.24 and military standards.
* Presenting design and engineering rationale for sub­systems at PDR and CDR.

# Project Manager

## ABC Corporation ­ December 2011 – January 2013

**Key Deliverables:**

* Selected component materials, valves, instrumentation, and other assemblies to meet customers specifications and process requirements.
* Coordinated with the production manager to ensure customer requests were met.
* Resolved any outstanding issues with procurement, manufacturing, and design to reduce the effect on overall cost and schedule.
* Created design drawings and specifications that manufacturers used or purchased which translated into new products.
* Perform system verification program and complete the loop test and grr and to obtain mass production repeatability and stability of 2%.
* Designed and created the prototype of a novel concept heating/refrigeration unit.
* Developed software packages with visual basic in the areas of experimental control, data collection, and analysis.

**EDUCATION**

BS in Aerospace Engineering ­ 2006(TEXAS A&amp;M UNIVERSITY ­ College Station, TX)BS in Mechanical Engineering ­ 2005(Universidad De Los Andes ­ Bogota, NJ)Biomechanics ­ (Secondary Field Of Biomechanics)