**QUALIFICATIONS PROFILE**

Highly accomplished Engineer with eight years of solid expertise in design and manufacturing engineering.

Adept at translating requirements into product designs, including components and assemblies.

Analytical and detailed with experience preparing BOMS in Computer Aided Design Software (CAD).

Experienced in leading Six Sigma Projects from concept to production.

Thrive in fast-paced, dynamic environments requiring quick thinking and continuous improvement.

**PROFESSIONAL EXPERIENCE**

Solar Turbines, Principal Design Engineer, San Diego, CA, July 2016 – 2019

Design of Experiments include components and assemblies for Gas or Dual Fuel Injectors inside Turbine Engines.

Modeled mechanical systems by creating CREO prints to ASME Y14.5 2009 Geometric Dimensioning & Tolerancing (GD&T) and ASME B16 welding standards.

Created Procedural documentation for work processes from Creo 3 transition to Creo 4 in Windows 360 Teams for additive manufacturing.

Completed 2-year analysis on Combustion Systems on Test Rig and installed upgrades to Rig.

Led projects from concept to prototypes of Additive Manufactured parts for Combustion systems.

Remy Inc., Product Design Engineer, Edmond, OK, December 2012 - March 2015

Utilized SolidWorks 2014 and PTC CREO 3 to design components and Electro Mechanical assemblies including starters and alternators.

Completed process mapping for Coordinate Measurement Machine (CMM) Faro Arm.

Completed Engineering Change Notices (ECNs) for aluminum and injection molded electronic parts.

Field diagnostics by testing prototypes for product failures as well as issues with warranty.

Reverse Engineered, prototyped and productionize prints of Starters and Alternators in WINDCHILL.

Caterpillar, Manufacturing Engineer, Decatur, IL, April 2011- October 2012

Responsible for Large Mining Truck (LMT) Assembly Planning – Family 793, 795, 797 LMT.

Critically supported the New Product Introduction (NPI) of 793F AUT to mainline production.

Documentation of Assembly Instruction Manuals in PowerPoint for monthly ECNs.

Supported internal and external customers with efficient assembly line process planning.

Contributed to Project West Star, consolidation of Building R sub-assemblies into the main campus.

**EDUCATIONAL BACKGROUND & SKILLS**

Illinois Institute of Technology, Chicago, IL - Bachelor of Science: Mechanical Engineer (BSME) 2009

Dassault Systèmes - CSWP - SolidWorks Professional - Mechanical Design, 2014

Oklahoma Board of Licensure for Professional Engineers and Land Surveyors -Certified Engineer in Training (EIT) 2010