**Alexander Henderson**

School Address Contact Information 1526 Timber Creek Rd amhq38@mst.edu

Rolla, MO 65401 (417) 214-9095

Objective To obtain an internship or co-op position in Mechanical Engineering

Education Missouri University of Science & Technology Spring 2018

**B.S. Mechanical Engineering GPA: 3.68/4.00**

Missouri State University May 2015

**Pre-Engineering Coursework GPA: 3.68/4.00**

**Business Coursework – Accounting, Economics, Law, Marketing, Proj. Mgt**

Experience Parker Hannifin – Sporlan Division Washington, MO

**Product Development Co-Op** May 2016-January 2017

* Optimized essential laser welding parameters for 11 million dollar project
* Developed valuable design changes for product under 35 million dollar contract
* Root failure analysis using Design Of Experiments for new product/lab improvements
* Evaluated product capabilities and process quality
* Manage projects from scoping to implementation, keeping quality and safety first

Missouri University of Science and Technology Rolla, MO

**Undergraduate Research Assistant – 3D Ceramic Manufacturing** January 2017-current

* Design and fabrication of valuable parts essential for manufacturing
* Formulated improvements of existing manufacturing process

Missouri University of Science and Technology Rolla, MO

**Formula SAE – Cooling System member** August 2015–current

* Redirecting coolant lines, more efficient path
* Fabrication of essential parts
* Cross functional problem solving

Legacy Farm and Lawn – John Deere Dealership Lamar, MO

**Restoration and Parts Service Counter** June 2008-August 2015

* Completed restoration of John Deere tractors – wiring, timing, overhaul, etc.
* Worked Parts Service counter – JDpoint, parts lookup, stock, inventory
* Installed Ag equipment/implements
* Delivered small equipment
* Filed for the human resources department

Computer Skills

* MATLAB
* Labview
* Inventor
* NX
* Solidworks
* Minitab
* JMP – Statistic Software
* REFPROP

Honors and activities

* **Missouri State University Dean’s List Fall 2012-Fall 2014**
* **Missouri University of S&T Deans List Fall 2015, Spring 2016**
* American Society of Mechanical Engineers - member
* Maintenance/Operation of John Deere tractors
* Mentor for fellow students in Calculus and Differential Equations