

Leah Mason

Permanent:

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Current:

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EDUCATION

Missouri University of Science and Technology (MST), Rolla, Missouri

Ph.D. Candidate in Mechanical Engineering

GPA: 4.0/4.0

Chancellor's Distinguished Fellowship

Expected May 2019

Activities:

Volunteer for CAMT Additive Manufacturing Showcase
3 Minute Thesis Competition, Semi-Finalist

University of Maryland, Baltimore County (UMBC), Baltimore, Maryland

B.S. in Mechanical Engineering

Honors: *magna cum laude*

Tau Beta Pi Engineering Honors Society

Center for Women in Technology Scholarship

CWIT is a competitive, four-year academic scholarship program dedicated to increasing the representation of women in the engineering and information technology fields

May 2015

Activities:

Founding Member of the Archery Club
Student Speaker at College Visit Day

Freie Universität Berlin, Berlin, Germany

Study Abroad

Summer 2014

EXPERIENCES

Mechanical Engineering Intern, Brewer Science, Rolla, Missouri

June – August 2015

- Worked on a collaborative project between Brewer Science and MST
- Investigated feasibility of a polymer-solvent system for use in additive manufacturing
- Conducted experiments with 3 different polymer-solvent materials provided by Brewer Science

Teaching Fellow for Intro to Engineering Science, UMBC, Baltimore, Maryland

August 2013 – January 2014

- Held weekly office hours and mandatory discussion sessions for 26 students
- Administered and graded quizzes and homework
- Taught basic 3D modeling in Autodesk Inventor and basic MATLAB programming

NPI Sectors Intern, GE Aviation, Hooksett, New Hampshire

June – August 2013

- Operated a Coordinate Measurement Machine (CMM) to inspect new parts
- Created a segment of a new inspection program for the CMM in NX
- Participated in a LEAN Six Sigma Event

AREAS OF KNOWLEDGE

3D Modeling:

NX 9.0, PTC Creo, Autodesk Inventor, Onshape, SolidWorks

Data Manipulation:

Microsoft Excel, MATLAB, Google Sheets

Language:

German – Conversational, B1 in Common European Framework of Reference

Interpersonal:

Dynamic, team-oriented leader, experience with international teamwork and scheduling