

Joel Hood

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Professional Profile

Senior Mechanical Engineering student at Boise State University pursuing employment in the spring of 2016. Proven engineering related work done in energy efficiency engineering at the Industrial Assessment Center. Interested in an entry level position in field engineering, design engineering, auditing and other engineering related fields.

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| <ul style="list-style-type: none">▪ Project Management▪ SolidWorks▪ Matlab▪ Excel | <ul style="list-style-type: none">▪ Microsoft Word▪ Microsoft Visio▪ Mathematics▪ Energy Auditing | <ul style="list-style-type: none">▪ Bin Analysis▪ Analytical Problem-Solver▪ Attention to Detail▪ Effective Communication |
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PROFESSIONAL EXPERIENCE

Student Research Technician

10/2014-Present

Industrial Assessment Center, Boise State University

- Project Lead for two energy efficiency projects
- Worked on over 9 energy efficiency projects at various manufacturing facilities.
- Lead a project that recommended over 20% annually in energy efficiency savings.
- Analyzed and performed calculations on topics such as motors, compressors, HVAC, lighting, process heat and refrigeration.
- Conducted research in energy efficiency applications

EDUCATION

Boise State University, Boise, ID

B.S., Mechanical Engineering, Senior, Expected 2016

GPA:

CUM GPA: 3.508

BSU GPA: 3.475

COMMUNITY INVOLVEMENT

First Undergraduate Service Learning Experience (FUSE): Student, 2012 -2013.

- Service Learning Experience offered by Boise State University.
- A team of four students and I worked alongside a local elementary school to fabricate a device that would be used to provide therapy for special needs children.

Thermodynamics E-Portfolio: Student, 2014.

- Collaborated with a team of four people to build a portfolio of videos and text that demonstrated our knowledge of thermodynamics.

American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE): Student Member, 2015 – Present

- Professional society that focuses on technological innovations in various engineering industries

Vertically Integrated Design Project (VIP): Student, 2015 – Present

- Work with the College of Engineering in order to prototype a modular shelter to be used in disaster relief.