

Giles R. Hardy

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SUMMARY

Throughout my studies at Montana State, and professional experience in the job market, I have learned to work productively and efficiently with other students as a highly functional team. I strive to be an engineer to design: better, safer, & smarter technology at minimal costs while applying my problem-solving skills within a team to achieve these goals. I believe my education, leadership, & communication skills make me a great applicant.

EDUCATION

MONTANA STATE UNIVERSITY, Bozeman, MT

August 2015 - present

- Majoring in Mechanical Engineering GPA: 3.4
- Projected graduation in May of 2019
- Received the Valentine, Mott Souders, & the Lloyd W Johnson Memorial Engineering scholarships

HELENA HIGH SCHOOL, Helena, MT

2015 Graduated, GPA: 3.8

ENGINEERING EXPERIENCE

ASHRAE Integrated Sustainable Building Design Competition, Capstone Project (In Progress)

- Designing a 70,000 ft² hospital in Budapest, Hungary from the ground up
- Project requires site selection, following local building code, and designing to ASHRAE 189.1 code
- Produce weekly deliverables to project coordinator

Multidisciplinary Design Competition

- Designed a (6.5x5x5) inch. 3D printed tank capable of articulating through a difficult course
- Collaborated with electrical and computer engineers to integrate electrical systems seamlessly
- Required weekly deliverables, final design documentation, and a product video

Stress vs. Strain Analysis of Ski Base Constriction

- Team lead of three students in the analysis of different polymers/extrusions used in ski construction
 - Tested materials in lab for strength properties
 - Analyzed results to determine best use of material on different parts of the ski
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PROFESSIONAL EXPERIENCE

RIVERSIDE COUNTRY CLUB, Bozeman MT

May - September 2018

Poolside Server. managed a team of three off site from clubhouse

CHILI'S GRILL & BAR, Helena MT

May - August 2016, May - August 2017

Server, Quality Assurance, and Host

GREAT DIVIDE CYCLERY, Helena, MT

May - August 2015

Sales Associate. professionally assemble, maintain, and fix high end bicycle builds

HELENA FARMERS MARKET, MT

May- September 2014

Small Business Co-Owner. Create, sell, & market adirondack chairs made from skis and general creative woodwork

ADDITIONAL SKILLS

- Experienced in: Trane700, Revit, MatLab, SolidWorks, Fusion 360, Autodesk, AutoCAD, and LabView
- ASE certified to change automotive oil, took two advanced automotive courses