KELSEY HARTMAN

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Profile

Bachelor's degree in Mechanical Engineering seeking career in challenging field. Personal focus on materials science and behavior. Accustomed to team work and managing multiple projects. Highly organized with proven leadership ability. Deadlines consistently met, willing to put in extra time and effort needed to excel. Self-motivated, innovative and quick to learn.

Education

B.S. Mechanical Engineering **May 2010**
Northern Arizona University, Flagstaff, AZ. GPA: 3.51/4.0
Coursework included: Intro to CAD, Thermodynamics, Heat Transfer, Machine Design, Materials Science, Numerical Analysis, Management, Fluid Dynamics, Vibrations, Finite Element Analysis, Fracture Mechanics

Skills

Communication:
- Extensive ability to research, report, and present.
- Well-versed in negotiation, diplomacy and consensus-reaching.

Teamwork & Leadership:
- Practiced at distributing tasks and running effective meetings.
- Accustomed to setting schedule using Gantt chart.
- Proven ability to manage budget.
- Experienced at brainstorming, design iteration and troubleshooting.

Technical:
- Proficient in MATLAB, C++, SolidWorks, COSMOS, & LabVIEW.
- Adept at working in Microsoft Office, including Excel and PowerPoint.
- Completed safety and basic instruction in NAU's Machine Shop.

Experience

Senior Capstone Project – Fall 2009 - Spring 2010
- Designed Material Automated Retrieval System for W. L. Gore according to client-prescribed requirements, constraints and budget.
- Fully specified all parts, manufactured as a team.
- Will formally present final product April 2010 at UGRAD Symposium.

Thermal-Fluids Laboratory – Fall 2009
- Conducted experiments in thermodynamics, fluid mechanics, heat transfer, and thermal-fluid systems.
- Practiced methods of acquiring and analyzing experimental data using a variety of equipment.
- Applied learning to independently run team-developed final experiment.

Heat Transfer Project – Fall 2009
- Designed and constructed a solar water heater under minuscule budget.
- Analyzed theoretical efficiency of design.
- Demonstrated final product; achieved greatest temperature rise of class designs.

Honors

Arizona Board of Regents Scholarship
Mildred Fenton and Carrol Lane Scholarship
University Grant for Excellence
Dean's List, NAU
Distinguished Delegate at three MUN conferences

Professional Memberships

American Society of Mechanical Engineers: 2009 - present
Society of Women Engineers: 2009 - present