

Jack Housley

Contact Information Available

Objective

To bring the accumulated knowledge of my Mechanical Engineering degree to the work field through an internship and possible employment.

Education

B.S. Mechanical Engineering, U. of Idaho (5/14), Moscow, ID

Minor in Mathematics

GPA: 3.42

Key Courses: Introduction to Mechanical Design • Engineering Statics • Engineering Dynamics • Mechanics of Materials • Calculus & Analytical Geometry • Ordinary Differential Equations • Mechanical Design Analysis • Computer Aided Design Methods • Linear Algebra • Microeconomics • Introduction to Electrical Circuits • Engineering Fluid Mechanics • Thermodynamics and Heat Transfer •

Courses in Progress: Intermediate Mechanics of Materials • Experimental Methods for Engineers • Technical Writing • Dynamic Modeling for Engineering Systems

Mechanical Engineering Experience & Skills

5/29/12-8/21/12

J. R. Simplot Company

Caldwell, ID

Engineering Intern

Worked as an intern under Engineering Managers from Food Group. Spent the month of June at the Othello, WA plant independently relaying data to my supervisors in Caldwell, monitoring manufacturing progress, working with plant engineers & contractors, and tracking capital of facility. During July and August, worked at food group headquarters creating reports on plant status for my supervisors, working on engineering standards, and tracking progress of other projects.

School Projects:

- Worked in a team to FMD a 1922 Barr & Stroud single cylinder, four stroke, sleeve valve motorcycle engine with full rendering, documentation, design tree, engineering drawings, and animation. All engineering drawings up to professional manufacturing specifications. Project was final for class, final grade:A
- 3-D modeled a 5" Crane globe valve from legacy drawings in a computer aided design methods class along with a Formula One Car Wheel, and an Air Motor. All engineering drawings up to manufacturing specifications. Formula One Car Wheel has been used for the U. of Idaho Micro Baja race and various technical electives involving automotives. Received A on project
- In Mechanical Design Analysis class, worked in a 4 person group to make a device that could respool a fishing rod, switch spools, and adjust the tightness of the reeled line all in one mechanism. My creative approaches in creating the structural aspects of the device reduced cost of materials and eliminated weak potential stress points and areas of structural failure. Received A on project.

Activities and Honors

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- Received plaque “In Recognition for Contributions made during Internship in the Corporate Engineering Department for the J. R. Simplot Company North American Food Group” for being a beneficial intern of the J. R. Simplot Company
 - Member of the American Society of Mechanical Engineers (ASME)
 - Achieved membership of the Dean’s List (Fall 2009, Fall 2010)
 - Member of Phi Eta Sigma Honor Society (First Semester Undergraduate Students with above a 3.5 GPA)
 - Member of the National Society of Collegiate Scholars
 - Member of Theta Chi Fraternity Epsilon Kappa Chapter
 - Served as Awards Chairman for Theta Chi Fraternity (Spring 2011-Fall 2011)
 - Serving as Public Relations Chairman for Theta Chi Fraternity (Spring 2012-current)
 - Howard R. Alter Award
 - Richard D. Gibb Award
 - Served on Philanthropy Committee for Theta Chi Fraternity (Fall 2009-Fall 2010)
 - Played in the University of Idaho Marching Band (Fall 2009-Present)
 - Promoted to Tenor Saxophone Squad Leader (Fall 2011)
 - Promoted to Tenor Saxophone Section Leader (Fall 2012)
 - Nominated for Outstanding Sophomore Award in the Spring of 2011

Other Major Projects & Jobs

5/19/10-8/19/10

Summer Lawns

Eagle, ID

5/16/11-8/18/11

Landscaper/Laborer

Worked during the last two summer planting trees/flowers, tree nursery care, working housing development maintenance, and upholding the landscape of businesses in the Boise area.

Completed the Howard R. Alter Award. Application was a grand total of 130 pages. Completing application required compiling 1 year of information of each corresponding fraternal committee chairman and acting as a liaison between Theta Chi Headquarters in Indianapolis, IN and my chapter to complete application properly.

Completed the Gibb Award which was awarded for excellence in chapter recruitment, scholarship, public relations, alumni relations, chapter operations, philanthropy, membership, campus participation, new member education, national fraternal relations, and university relations.

As Public Relation Chairman, I have initiated Dinners hosted by my fraternity with the University Cheer Squad, Moscow Police Department, and Professors of the members of my fraternity. I was in charge making sure that invitations were properly delivered and guests were properly accommodated for. We have been informed by the Police Officers that visited our fraternity that our fraternity is their favorite because we have had no negative altercations since our re-founding in 2001.

References Available