
KASEY WILDCAT

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EDUCATION

University of New Hampshire - Durham, NH Expected: May 2017
B.S. in Mechanical Engineering GPA: 3.95

- Dean's List: All Semesters
- Member of Tau Beta Pi- engineering honors society and Pi Mu Epsilon- mathematics honors society

RELATED COURSEWORK

- Fluid Dynamics
 - Dynamics
 - Thermal System Analysis and Design
 - Machine Design
 - Experimental Measurement & Modeling
 - Systems Modeling, Simulation, & Control
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SKILLS

Computer: Python, MATLAB
Software: Solidworks, Microsoft Office Suite, AutoCAD

PROJECTS

Mechanical Engineering Capstone Project - Durham, NH September 2016 – Present
Spacecraft Dynamics, Modeling, and Control

- Research general satellite attitude and orbit determination and control
- Develop strategies for extra-terrestrial surface navigation, hazardous asteroid mitigation, and flexible spacecraft dynamics and modeling
- Create experimental test beds for satellite prototypes
- Share research with NASA Goddard Space Flight Center, NH Space Grant Consortium, and UNH Hamel Center for Undergraduate Research
- Partnered with 4 mechanical engineering and electrical engineering students to generate the optimal solutions

EXPERIENCE

Lockheed Martin- Rotary and Mission Systems, *Marion, Massachusetts* May 2016 – August 2016
Internship

- Drafted, edited and revised a set of engineering drawings using GD&T for a submersible in SolidWorks 2014
- Organized and managed multiple configurations for parts and assemblies of submersible in SolidWorks
- Troubleshoot mating and subassemblies, as well as editing of part geometry in SolidWorks
- Wrote a failure report to appear before the Lockheed Martin Failure Review Board

Physical Plant Department, Colby College - Waterville, ME May 2015 – August 2015
Engineering Internship

- Located and recorded the underground utilities for stormwater drainage replacement
- Gathered data to develop plans to separate steam lines from heat lines
- Utilized microstation to create schematic drawings of steam plant piping to be used during lockout safety procedures for equipment undergoing shutdowns
- Supported professional staff on projects including underground steam line and photography studio ventilation

CAMPUS LEADERSHIP AND INVOLVEMENT

American Society of Mechanical Engineers - Durham, NH September 2013 – Present
Student President

- Engage with community to encourage student involvement in STEM related fields
- Attend conferences each semester with other young professionals to gain insight into professional life
- Fundraise just over \$2,000.00 to support outreach events
- Invite professionals from local companies to hold resume, networking, and LinkedIn workshops