

John S. Wright

Summer intern position contributing to aerospace laboratory and design activities

- Summary**
- Desire to contribute to aerospace laboratory or design engineering settings
 - Experience in laboratory and small engineering company
 - Strong technical aptitude, including applicable engineering tools and systems
 - Strong oral and written communication skills
 - Strong interpersonal and leadership skills
 - Strong programming and analytic skills
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Education

B.S. Degree in Mechanical Engineering

Expected Graduation Spring 2015

Minor in Computer Science

Tufts University, School of Engineering

GPA – 3.6

Dean's List: Fall 2011, Spring 2012, Fall 2012

- Noteworthy Classes: Thermodynamics, Fluid Mechanics, Statics and Dynamics
 - Programming Experience (C++, VBA, Matlab, Web Programming)
 - CAD proficiency (Solidworks, AutoCAD)
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Work Experience

Weatherford Intl., Lanham, MD

Summer 2012

Engineering Intern

Designed and conducted tests on fiber optic and mechanical sensors and sensor components. Wrote Matlab programs to calculate the temperature and buckling load of parts. Used SolidWorks to create and analyze models using Finite Element Analysis. Wrote technical reports on conducted tests and studies. Fabricated parts to tight tolerances in the machine shop.

- Learned applicable engineering skills
- Worked closely with experienced engineers in a laboratory setting
- Machined parts and constructed testing stations
- Designed components using Matlab, CAD software, and Finite Element Analysis

ShrineMont Summer Camps

Summer 2011

Cabin Counselor

Responsible for 12 children over the course of 6 weeks in an outdoor adventure sleep-away camp. Job required patience, perseverance, and understanding to care for the campers. Experienced in canoeing, camping, and backpacking. Managed and supervised campers in an outdoors setting.

- Learned leadership strategies for dealing with many types of situations
- Led campers on three day camping trips
- Responsible for the safety of the campers

Aither Engineering

Summer 2010

Engineering Intern

Set up testing stations, spliced fiber optic cable, helped with administrative tasks, improved the laboratory facilities, and cleaned parts. Learned how a small successful company operates.

- Worked well in a professional engineering environment
- Learned about the production cycle and development of fiber optic sensors
- Helped build and run test stations for the sensors

Affiliations & Interests

- Tufts Hybrid Racing: building a hybrid racecar to compete in the National Formula Hybrid competition
- Tufts Mountain Club: Executive Board member, leading hiking and backpacking trips
- WMFO Freeform Radio: Host of a radio show and qualified studio engineer
- National Eagle Scout Association: earned rank of Eagle Scout in Spring 2010, Senior Patrol Leader
- Travel and Language: Summer Study Abroad in Salamanca, Spain
- Paid Position in the Tufts Scene Shop fabricating sets for the Drama Department
- Society of Automotive Engineers
- American Institute of Aeronautics and Astronautics