

Ronald A. Shipman

1719 N. Astor St., Milwaukee, WI 53202

Phone: 414.520.5451

Email: shipmanr@msoe.edu

OBJECTIVE

Seeking an internship with emphasis on engineering in an organization where professional growth is possible and enhancement of skills learned through coursework will take place, as well as gaining knowledge and experience of engineering within industry.

QUALIFICATIONS SUMMARY

Current Senior at Milwaukee School of Engineering, enrolled in Mechanical Engineering program. Completed courses include Material Sciences, Engineering Design, Strengths of Materials and Thermodynamic Applications. Known programs include Microsoft Excel/ Word, SolidWorks, SolidCast, LabView, MATLAB and ANSYS APDL and Workbench.

EDUCATION

B.S., Mechanical Engineering	Milwaukee School of Engineering, Milwaukee, WI	Graduating: 2015
------------------------------	---	------------------

EXPERIENCE

Research Experience

Agile Quadruped Robot (Senior Design Research Project)

Working on a team of 4 engineering students, a pneumatically driven walking robot is in development. Relevant topics include Fluid Power, Project Management, Mechanics of Materials, System Controls and Statics/Dynamics.

Project Experience

Finite Element Analysis:

Models generated using ANSYS APDL or Workbench were constrained and subjected to loads and desired information, such as maximum stress and deformation, was obtained and verified using mechanics of materials.

Material Sciences:

Three dimensional parts were designed in SolidWorks and then imported into SolidCast to determine characteristic casting information, such as riser size, riser location and runner length/placement. The model was then rapid-prototyped and used as a pattern in subsequent aluminum sand casting process.

Computer Applications:

Using MATLAB a robot arm equipped with an LED flashlight was controlled to track the location of a solar cell, variable in 2D space utilizing stepper motor.

Freshmen Engineering Design:

A model rocket with camera mount was designed in SolidWorks, based on given constraints, rapid-prototyped and launched, acquiring video footage of the launch.

CAREER HISTORY

Job History

Walgreens:

Clerk (August 2013 – November 2014 [Current])

Checking out of products, facing/stocking products and maintaining the appearance of Walgreens store.

Pick 'N Save:

Third Shift Stocker (May 2013 - August 2013)

Breaking down pallets of product and stocking/facing product in an efficient manner.

Cashier/Utility Clerk (July 2012 - May 2013)

Greeting customers politely, checking out products and maintaining the appearance of Pick 'n Save store.

MEMBERSHIPS/ASSOCIATIONS

- American Society of Mechanical Engineers (ASME) [2012-2013]
- Society Of Automotive Engineers (SAE) [2012-2013]
- Freerunners/Parkour Team (Special Interest Group on Campus) [2011-2012]
- National Society of Black Engineers [2011-2012]

