**Ben Spatafora EIT**

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**Objective:** Obtain a mechanical engineering position where I can effectively apply and contribute my mechanical knowledge and practical skills.

**Education: *University of Maine, Orono, ME***

B.S. Mechanical Engineering Technology

Minor: Renewable Energy Science & Technology

3.321 GPA, Deans list Fall 2011, Spring 2012, Fall 2012

Passed the Fundamentals of Engineering exam- Fall 2012

Senior capstone project – Formula SAE car Expected Graduation: May 2013

**Work Experience:**

***Parker Hannifin - Nichols Portland, Portland, ME*** *June 2010 – present*

Engineering Intern, during school breaks

* Communicate with engineers and operators to design structures to assist in assembly and testing of fuel pumps
	+ Designed and implemented varying height adjustment, ambidextrous solder station
	+ Designed and implemented a “pump build/ re-build station” to reduce change-over time
	+ Designed and Implemented “flush test stand” to test for contaminants in pumps
* Design structures using Microsoft Inventor
* Create “standard work instructions” for pump assembly, rotational assembly
* Schedule and participate with engineers in design review meetings
* Edit drawings to accommodate design changes from meetings
* Communicate with machinists to have designs produced within deadline
* Manufacture, assemble and integrate systems into the production line
* Operate advanced machinery to assemble and test diesel fuel pumps
* Assist engineers in root cause analysis evaluations when machinery failed

**University Of Maine, Orono, ME** *Sep. 2012 – Present*

Teachers Assistant, Strengths of Materials for Karen Horton

***University Of Maine, Orono, ME*** *Sep. 2009 – present*

MET machine tool lab attendant

***Targeted Solutions*** *Summer 2008*

Field engineer assistant

* Collect pertinent information for cable companies in field including: address, closest cable drop, and number of services already utilizing cable drop

***Hannaford’s, Millcreek, South Portland, ME*** *June 2007 – Sep. 2009*

Customer Service Associate

**Technical skills:**

* Work on Formula SAE team to design car (SolidWorks), manufacturing processes, and manufacture the car, which will compete in Michigan this May against 119 other schools.
* Designed machinist vise according to specifications. Created a 3D model and a complete set of production drawings using CAD (Solid-Edge). Produced the vise using machine tools. Produced Engineering change orders upon completion to match final design.
* Created a small steam engine using CAD. Created ANSI drawings to build the steam engine from. Worked with a team to manufacture steam engine on time.
* Use Microsoft excel to solve engineering problems using functions and formulas to produce charts and graphs
* Write programs to solve simple engineering problems on Visual Basic
* Introduction to programming LabView to control automated machinery

**Volunteer Experience:**

***Alternative Spring Break trip****:* Fundraise; restore oyster reefs, and public parks *Oct. ’11 – Mar. ‘12*

***Alternative Spring Break trip****:* Fundraise; clean up the coastline, restore trails Oct. ’10 – Mar. ‘11