Mary Elton

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**Objective**

To obtain a full time opportunity, in the field of mechanical engineering, where I can apply the theory I have learned in a practical work setting.

**Education**

**Purdue School of Engineering and Technology** , IUPUI Expected Graduation: May 2019

**Bachelor of Science in Mechanical Engineering**

GPA: 3.87

**RELATED COURSES**

* Vehicle Aerodynamics
* Internal Combustion Engines
* Fluid Dynamics
* Heat Exchanger Design

**HONORS**

* Nomination for IUPUI’s top 100 students Fall 2018
* Honors College(IUPUI) Fall 2015 - Present
* Dean’s list 2015 - Present
* Scholarships: Outstanding Freshman, MURI Fall 2015

**Skills**

* Pro-Engineering
* MATLAB
* C++
* PSPICE
* LABVIEW
* MINITAB
* AutoCAD
* Revit

**Project work**

**Marine Engine Cooling Heat Exchanger** Fall 2017

* Designed shell and tube heat exchanger for small power boats
* Met operating specifications by running experiments in MATLAB and MINITAB

**Experience**

**IUPUI Mechanical Engineering Department** January 2017 - Present

**Teaching Assistant for MATLAB**

* Evaluated all homework and class work assignments
* Provided feedback and assist students in understanding difficult concepts

**The Center for Research and Learning (CRL)** August 2017 - May 2018

**Research Assistant in MURI team**

* Conducted research focused on solid-state lithium ion batteries
* Performed lab analysis and obtained data from various experiments
* Accomplished a sharpened sense of lab work, efficient management of time

**Dairy Queen** June, 2012 – August, 2015

**Shift Manager**

* Ensured that crew members were being properly motivated
* Deposited nightly bank drops that averaged $5,000
* Earned three promotions in three years

**Activities**

**Engineering and Technology Student Council** Fall 2016 - Present

* Vice President (August, 2017 – May, 2018)

**Engineering and Technology Without Borders** (ETWC) Fall 2015 - Present