**Brian T. Loughran**

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**Objectives-**

* Gain exposure to real world engineering systems and processes
* Contribute my energy, enthusiasm and proven leadership to the team
* Focus on building productive relationships with business partners

**Experience-**

Teacher’s Assistant (Applied Engineering Computer Methods) Spring 2015

*Lehigh University,* Bethlehem, PA

Tutor (Grades K-12) February 2013 - September 2013

*Kumon Learning*, Randolph, NJ

Inventory Management June 2012 - September 2014

*Quaker Pet Group*, Whippany, NJ

**Education-**

**LEHIGH UNIVERSITY, Bethlehem, PA**  Class of 2017

**Mechanical Engineering (GPA=3.3)**

Minors in Aerospace Engineering, Computer Science, and Business

Dean’s List

Rauch Award for Educational Excellence in Engineering

Varsity D1 Club Hockey Team Treasurer

Kappa Sigma Fraternity, Beta-Iota Chapter Scholarship Chair

Aerospace Club

Advanced Junior Standing

**MORRIS KNOLLS HIGH SCHOOL, Rockaway, NJ** Class of 2013

High Honors all Years

Mu Alpha Theta (Math Honor Society) Excellence Award

President’s Award for Educational Excellence

Summa Award

AP Scholar with Distinction

Ice Hockey Captain

**Related Projects**

C++ Program to play a dungeon crawl style game

Design and Testing of a Heat Sink (Selected out of 8 groups to present to 250 people)

Optimization of a Campus Dining Hall (Selected out of 8 groups to present to 250 people)

Arduino programs to regulate water level with a pump and temperature with a fan

Use of Finite Element Method in MATLAB to analyze stresses in a conical shaped beam

**Skills**

Proficient with C++, Java, Python MATLAB, Arduino, Autodesk Mechanical, NX Cast, Excel