## Brian LoughranBrian Loughran

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Lehigh University

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**Education**

* B.S., Mechanical Engineering 2017
* Aerospace Engineering and Business

**Leadership**

* Treasurer Club Hockey Team
* Scholarship Chair, Kappa Sigma

**Special Skills**

* C++, Java, Python
* MATLAB, Arduino, LabVIEW
* NX Cast, SolidWorks, Pro/Engineer

**Work Experience** (in reverse chronological order)

* June 2015 to Aug 2015: Mechanical Engineering Intern at Alcatel-Lucent Bell Labs
* August 2014 to December 2014: Teacher’s Assistant for Applied Engineering Computer Methods
* June 2012 to August 2014: Inventory Management at Quaker Pet Group

Brian Loughran enrolled at Lehigh University in 2013 as a mechanical engineering student. Last summer he worked at Alcatel-Lucent, a communications company, at Bell Labs on several different projects within the mechanical engineering industry. Thermal testing was conducted on 4G LTE and eventual 5G controllers to ensure that they would be able to withstand the extreme hot and cold external temperatures. A wind tunnel was designed and fabricated to thoroughly characterize flow dynamics over the components and to understand cooling fan performance. Acoustic testing was conducted in a fully anechoic chamber to characterize cooling fan noise levels. On top of this experience, he was voted treasurer of the club hockey team. Responsibilities for this position include collection, budgeting and management of over 80,000 in team funds. In taking IPD, Brian hopes to gain experience with team based research as well as real world working experience on a challenging project as he prepares for a job in the mechanical engineering industry.