

# Flannan Hehir

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fhehir@nd.edu | 845.499.0571 | Campus Address: 312 Duncan Hall, Notre Dame, IN 46556

## Education

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**University of Notre Dame**, Notre Dame, IN

May 2018

*Bachelor of Science*

GPA: 3.6/4.0

Major: Mechanical Engineering

Dean's List Fall 2014

**Tappan Zee High School**, Orangeburg, NY

June 2014

Exceptional Honors

GPA: 4.0/4.0

## Experience

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**Skae Power Solutions, LLC**

Sparkill, NY

*Engineering Intern*

Summer 2015

- Learned about Data Center systems and management including server maintenance, HVAC units, power supplies, network architecture, and high-frequency trading.
- Designed an enclosure for a local outdoor shooting range using computer-aided design software (AutoCAD, Inventor) and drafted a request for proposal to send to contractors. The project should be completed by December 2015.

**One to One Learning**

Nyack, NY

*Volunteer Teacher*

Fall 2013 – Spring 2014

- Taught English to South and Central American immigrants one night a week.

**Rockland Country Club**

Sparkill, NY

*Caddy*

Fall 2010 – Summer 2015

- Provided assistance to golfers by giving advice, carrying bags, finding balls, course maintenance, and other similar tasks.

## Projects

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**Engineering Projects**, Notre Dame, IN

Fall 2014 – Spring 2015

*Team Member*

- Designed, built, and programmed a robotic dancing penguin toy for 5<sup>th</sup> grade students using LabVIEW software.
- Designed and built flotation device to support various weight loads at a restricted water level. Used the computer-aided design software Creo.
- Built a pressurized potato launcher using PVC parts in order to launch a potato to various specific targets. Modelled the projection using a MATLAB programmed GUI to accurately predict launch distances given the launch angle and air pressure.

## Activities

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- Member, American Society of Mechanical Engineers
- Secretary, Running Club of Notre Dame
- Member, Engineering Without Borders
- Member, Dream Teams
- Captain, Varsity Cross Country and Track and Field, Tappan Zee HS

## Skills

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- MATLAB, AutoCAD, Inventor, Creo, Microsoft Office, FORTRAN, LaTeX