

# John Pugh

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## EDUCATION

**University of Maryland: A James Clark School of Engineering**

College Park, MD

B.S. Mechanical Engineering

Expected Graduation May 2019

Dean's Scholarship

Received January 2015

GPA: 3.14

**Virtus:** Living and Learning Program for Engineers

Expected Citation May 2017

- Promotes community among first and second year engineering students and provides support for academic and professional success
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## TECHNICAL EXPERIENCE

**Over-Sand Vehicle Project, Treasurer**

College Park, MD

Introduction to Engineering Design

Sept - Dec. 2015

- Designed and constructed an autonomous OSV as part of a seven person team
- Made executive decisions regarding materials including chassis and tank treads
- Reduced spending in order to stay below \$300 limit
- Organized and presented a complete bill of materials list
- Wrote and presented a 30 page final design report to a board of 5 engineering professors

**Beam Design Project**

College Park, MD

Mechanics II

Sept-Dec. 2016

- Constructed a composite wooden I-beam to fail close to 1500 lb load
  - Calculated failure of 1478 lb, Tested failure of 1512 lb
  - Achieved closest calculated failure of any group
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## LEADERSHIP

**JCC of Greater Washington**

Rockville, MD

Inclusion Counselor

June - Aug. 2014 - 2015

- Worked one on one with a camper who had disabilities
- Administered tasks to camp volunteers
- Led campers safely through daily events
- Engaged kids to give them a positive experience

**Asbury Methodist Village**

Gaithersburg, MD

Volunteer Activities Assistant

June 2015

- Guided residents through transitions between activities
  - Fostered respect and integrity among volunteers towards residents
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## SKILLS

- Creo Parametric, Autodesk Inventor, Solid Works, Arduino, MATLAB, Microsoft Word, Powerpoint, Excel