

Silas Johnson

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EDUCATION

University of New Hampshire - Durham, NH

Bachelor of Science: Mechanical Engineering

Expected: May 2020
GPA: 3.9

- Dean's list Highest Honors, Fall-Spring 2016 - 2018

Smart Scholar

May 2018 - Present

- Awarded Smart Scholarship through the Department of Defense in 2018
- Internship in the summer of 2019 and full-time employment after graduation
- Will be working for the Missile Defense Agency

SKILLS

- MATLAB
- SolidWorks

PROFESSIONAL AND RELATED EXPERIENCE

Hitchiner Manufacturing – Milford, NH

June 2018 – August 2018

Product Engineering Intern

- Aided lead engineers in new product introduction for investment casting
- Mold design and assembly for new parts to be cast
 - Largely gas turbine engine parts, specifically jet engines
- Learned new skills in metrology, CAD

IdeaLab – Bedford, NH

June 2017 - August 2017

Engineering Intern

- Aided in design of several devices including a highly specialized vending machine
- The vending machine redefined automated vending by including:
 - IOS based user interface
 - High security locking compartment with Bluetooth actuated locks
- Analyzed devices and systems to help make refinements to those designs

Mechanical Engineering Tutor – Durham, NH

August 2017 - Present

- Tutor students in related course work to help them understand the various concepts

Physics II Learning Assistant – Durham, NH

August 2018 - Present

- Aid students in the studio-based physics class in learning concepts
- Assists and answers questions for students

VOLUNTEER EXPERIENCE AND COMMUNITY ENGAGEMENT

UNH Students for the Exploration and Development of Space

August 2017 - Present

Member

- Engineering club that competes in rocket competitions, organizes trips and activities related to aerospace and astronomy
- Part of a group that designs and builds the competition rocket

Eagle Project

January 2014 – June 2014

Eagle Scout

- Led design and construction of a 27-foot walking bridge to provide access to conservation area
- Assembled work crews including fellow scouts and volunteers
- Organized vendors and materials

New Hampshire Outing Club

February 2018 - Present

Assistant Leader

- Help lead hiking and other trips for students and members
- Bring groups of around ten usually on day trips or overnight trips

Danny's Team

June 2014 - Present

Volunteer

- Work on various projects to aid the lives of people with disabilities
- Build wheel chair ramps and volunteer at fundraisers