

Maxwell J. Hanich

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OBJECTIVE

Engineering internship or co-op opportunity for May - August, 2017, utilizing technical knowledge and skills obtained in aerospace and mechanical engineering coursework.

EDUCATION

The Ohio State University, Columbus, OH

Overall GPA (4.00 scale): 3.03

B.S. Aeronautical and Astronautical Engineering, May 2018

Mathematics Minor, May 2018

Honors: Recipient of National Buckeye and Trustees Scholarships, 2014-2018

ACADEMIC ENGINEERING PROJECTS

Grumman Tiger Analysis - Aug. - Dec. 2015

- Worked individually to create a detailed report using MATLAB and Microsoft Word analyzing specific performance characteristics of the Grumman Tiger
- These characteristics included power available/required, climb performance, range, endurance, glide performance, turn performance, and takeoff and landing performance

ACTIVITIES AND INTERESTS

- Scholars: Member of the **Green Engineering Scholars** Program at Ohio State, 2014 - 2016
 - Volunteer at least 8 hours per semester in the city of Columbus and surrounding areas
 - Research environmentally friendly engineering efforts and maintain academic requirements
- Active Member, American Institute of Aeronautics and Astronautics (AIAA), October, 2015 - present
- Eagle Scout: February, 2012

QUALIFICATIONS

Computer and Technical:

- Solid understanding of SOLIDWORKS and MATLAB
- General understanding of XFLR5
- Extensive use of Microsoft Word, Excel, and PowerPoint
- Laboratory experience with wind tunnels, oscilloscope, and several aircraft instruments

Coursework:

- **Engineering:** Fundamentals of Aerodynamics; Aircraft Structures and Dynamics; Statics and Mechanics of Materials; Dynamics; Fluids; Thermodynamics; Electrical Circuits and Systems
- **Mathematics:** Calculus Series; Linear Algebra; Foundations of Higher Mathematics; Differential Equations
- Physics and Chemistry for Engineers

WORK EXPERIENCE

The Club at Nevillewood, Presto, PA

Grounds Crew, May - August, 2014 -16

- Worked approximately 40-50 hours per week both in teams and individually to provide routine ground maintenance using mowers, hand and power tools