

**EDUCATION**

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**University of Alabama****May 2018***BS in Aerospace Engineering, Minor: Mechanical Engineering**Tuscaloosa, AL*

- GPA: 3.34/4.00
- President's List, Fall 2017 and Spring 2018
- UA Scholar Scholarship, 2014 – 2018
- National Society of Leadership and Success, 2015 - 2018

**SKILLS & INTERESTS**

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- **Skills:** SolidWorks, AutoCAD Civil 3D, MATLAB, C++, Microsoft Office
- Waterjet cutting, plasma cutting, laser cutting, land surveying, hardware manufacturing
- **Interests:** UAV/drone hobbyist, student-lead drone development team (TuskaUAV)

**WORK EXPERIENCE**

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**UA Department of Aerospace Engineering****Aug. 2017 – May 2018***Structures Lead**Tuscaloosa, AL*

- Designed the structure of a 2U prototype CubeSat through the use of SolidWorks to be used with a team designed iodine-propelled Hall Effect thruster propulsion system
- Tested the structure of the CubeSat through the use of FEA available with SolidWorks and physical testing with on-campus vibroacoustic testing machines and thermal fluctuation testing in vacuum chambers
- Manufactured satellite test hardware with on-campus cutting machines including waterjet, plasma, and laser cutters
- Assembled and presented industry-quality documents such as Preliminary Design Reports, Critical Design Reviews, and Flight Readiness Reviews

**NASA****Aug. 2015 – Dec. 2015***Product Marketing**Huntsville, AL*

- Researched recently unclassified technologies and their potential applications into the consumers' market
- Developed practical uses for the ARED workout system and its incorporation into the market
- Created presentations with PowerPoint to convey the integration of the ARED workout system to fellow STEM majors and engineers

**Oxford Construction Company****Summer 2015 – Summer 2016***Project Surveyor**Albany, GA*

- Provided layout of current and upcoming construction sites using GPS-guided equipment with the use of AutoCAD Civil 3D
- Implemented team integration skills in order to complete projects in a timely manner by resolving on-site issues with current construction plans