

## **Brandon T. Baeder**

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### **EDUCATION**

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#### **The University of Alabama, Tuscaloosa, AL**

#### **Bachelor of Science in Mechanical Engineering, Spring 2021**

Honors College

GPA: 3.31/4.00

### **EXPERIENCE**

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#### **Mechanical Engineering Design Project – Tuscaloosa, AL (2020 - 2021)**

- Competing in the SICK TiM 10k Challenge to develop an application for a 2-D LiDAR scanner
- Developed a portable prototype to create a more affordable and expedited method measuring limbs to develop prosthetics.
- Designed structural components for prototype through SolidWorks
- Utilized an ROS to interface with the LiDAR and collect data

#### **Summer Intern - ZEUS Research and Technology – Huntsville, AL (2019 - 2020)**

- Designed and fabricated structural components for an unmanned vehicle radar system
- Designed a data collection housing kit for unmanned vehicle radar system
- Processed data from inertial measurement units and VectorNav hardware
- Assisted in proposal writing for contracts from potential clients

### **COMPUTER SKILLS**

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- SolidWorks
- Python
- MATLAB
- Microsoft Office (Word, Excel, PowerPoint)
- Adobe Creative Cloud (Photoshop, Illustrator, Premiere)

### **INVOLVEMENT**

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- American Society of Mechanical Engineers, Member (2017-Present)

### **AWARDS AND ACHIEVEMENTS**

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- The University of Alabama Collegiate Scholarship, Recipient
- The University of Alabama College of Engineering Scholarship, Recipient