

# Daniel Teal

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## Education

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### **The University of Texas at Austin**

*Bachelor of Science in Mechanical Engineering & Mathematics, GPA 4.0 / 4.0* May 2019

### **Liberal Arts and Science Academy High School**

June 2015

## Experience

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### **UT Advanced Manufacturing Center ♦ Student Assistant**

11/15 – Present

Designed and fabricated head impact metrology equipment.

### **UT Longhorn Maker Studio ♦ Student Assistant**

9/15 – 5/16

Instructed students in and maintained FDM 3D printers and laser cutters.

### **UT Applied Research Laboratories ♦ Research Intern**

6/15 – 8/15

Used digital signal processing to detect unmanned aerial vehicles.

### **FIRST Tech Challenge Robotics Team ♦ Design & Build Lead**

9/11 – 6/15

World competition finalists (2<sup>nd</sup> of over 4000).

### **DIY 3D Printer Design & Construction ♦ Hobbyist**

6/11 – 8/15

Self-taught mechatronics by evolving generations of FDM machines.

## Activities & Honors

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### **UT Longhorn Maker Studio Club ♦ Vice President**

1/16 – Present

### **UT IEEE Robotics & Automation Society ♦ 2015 Robotathon Champion**

9/15 – Present

### **512 Hyperloop ♦ Compressor & Thermodynamics Team**

9/15 – Present

### **Robotics SMART Camp ♦ Camp Counselor (Volunteer)**

8/12 – 6/15

### **Summer Wonders Camp ♦ Teacher Aide (Volunteer)**

6/9 – 6/13

### **National Honor Society**

8/13 – 6/15

### **National Merit Finalist**

2/15

## Skills

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SolidWorks (Associate Certification)

3D Printing & CNC Machinery

Java, Python, C++, C, MATLAB, TI-BASIC

Carpentry & Manufacturing

Mechatronics, Robotics, and Automation

Piano