

Daniel Teal

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Education

The University of Texas at Austin

Bachelors of Science in Mechanical Engineering & Mathematics, GPA 3.98 / 4.0 May 2019

Liberal Arts and Science Academy High School

June 2015

Experience

UT Advanced Manufacturing Center ♦ Research Assistant 11/15 – Present
Designed and fabricated head impact metrology equipment.

UT Longhorn Maker Studio Club ♦ President 3/16 – Present
Organized instructional seminars on the basics of modern rapid prototyping.

UT Longhorn Maker Studio ♦ Student Assistant 9/15 – Present
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
2015 world competition finalists (2nd of over 4000).

DIY 3D Printer Design & Construction ♦ Hobbyist 6/11 – 8/15
Self-taught mechatronics by evolving generations of FDM machines.

Activities & Honors

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

National Honor Society ♦ Member 8/13 – 6/15

National Merit ♦ Finalist 2/15

Skills

SolidWorks, Autodesk Fusion 360

Rust, C/C++, Python, Java,
MATLAB, LabVIEW, TI-BASIC

Mechatronics, Robotics, Automation

3D Printing & CNC Machinery

Carpentry & Manufacturing

Piano