

REED ALAN THURBER

Mechanical and Aerospace Engineering Student

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Education

B.S. Mechanical Engineering, Aerospace Emphasis, Computer Science Minor Utah State University, Logan, UT	May 2020 GPA 3.57
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Leadership and Involvement

Outstanding Sophomore Leadership Award, USU ASME Student Section, Logan, UT	April 2018
USU 2018 Engineering Derby Coordinator, Logan, UT <ul style="list-style-type: none">Led and coordinated the USU engineering pinewood derby competition	October 2017- Present
USU American Society of Mechanical Engineers Student Section, Executive Secretary, Logan, UT <ul style="list-style-type: none">Overhauled and led communication for over 400 members	May 2017- Present
Toastmasters International Member, Logan, UT and Temecula, CA <ul style="list-style-type: none">Delivered both prepared and impromptu speeches weekly, evaluated other speakers	December 2016 - August 2017
BSA, Eagle Scout and Troop Leader, Temecula, CA <ul style="list-style-type: none">Organized the construction of two "cat trees" for a local animal shelter from donated and fundraised materialsLed a troop of 13 scouts	September 2013 - April 2015 March 2016 - May 2016

Computer Skills

Solidworks (CSWA Certified) **Geometric Dimensioning and Tolerancing (GD&T)**
Microsoft Office (Intermediate) **Excel (Basic)** **Python (Basic)** **Java (Basic)** **Matlab (Basic)**

Engineering Projects

USU Aggie Marine Robotics Team, Vice-President <ul style="list-style-type: none">2018 competition team leadDesigned and built an autonomous underwater vehicle for the 2018 International AUVSI Robosub CompetitionServed as liaison with USU College of Engineering to secure funding, coordinate college outreach events, and advance faculty relationsCo-developed new communication, documentation, and task management standards for teamDesigned and fabricated AUV electronics rack, pneumatic torpedo launcher, component mounts	February 2018 - Present
Engineering Graphics Design Project <ul style="list-style-type: none">Worked with a team of three to design a DJI Inspire Drone GoPro Camera Gimbal Mount	March 2017- May 2017

Work Experience

Hardware and Tools Customer Service Associate, Lowe's, Temecula CA <ul style="list-style-type: none">Informed and assisted customers with selection of hardware and tools	May 2017- August 2017
Pizza Smith, Blaze Pizza, Temecula CA <ul style="list-style-type: none">Worked in a fast-paced food service environment, balanced and prioritized various roles	May 2017- August 2017
Telephone Interviewer, Survey Sampling International, Logan UT <ul style="list-style-type: none">Contacted clients by phone to complete various surveys for market research	January 2017- May 2017

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REFERENCES

Dr. Jonathan Phillips, Aggie Marine Robotics Faculty Advisor

Utah State University, Electrical and Computer Engineering Professor

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Amber French Jones, General Manager

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Jake Palmer, Scout Mentor

Lockheed Martin, San Diego

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