

Sam Christensen

Mechanical Engineer

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Experience

Tesla, Closures Engineering Intern – Fremont, CA	7/2021 – 12/2021
<ul style="list-style-type: none">• Collaborated with vehicle engineering teams, vehicle testing groups, and key suppliers to develop Tesla's premium vehicle line• Supported manufacturing improvement through analytical driven design optimization to achieve the highest levels of craftsmanship and durability	
Lyons Motor Car, Mechanical Engineer – Brooklyn, NY	9/2020 – 7/2021
<ul style="list-style-type: none">• Developed 20% of vehicle part concepts into operational, manufacturable parts with acceptable tolerances• Contributed remotely to a cross functional team responsible for the fit and finish of the premier hypercar, the Streamliner Super Sport	
Tesla, Mechanical Engineering Intern – Fremont, CA	1/2019 – 1/2020
<ul style="list-style-type: none">• Engaged with a diverse team of engineers, data analysts, and technicians• Designed and installed improvements or established specifications and procured vendor provided solutions for production equipment• Projects reduced weekly production downtime by 4 hours and eliminated an annual average of 5 safety incidents saving Tesla \$6.8 million yearly	
Texas Tech Engineering Department, Machine Shop Student Assistant – Lubbock, TX	1/2020 – 5/2020
<ul style="list-style-type: none">• Fabricated research equipment and supervised student design projects facilitating \$10 million of research and the completion of 24 student designs	6/2018 – 12/2018
Classic Mazda, Master Technician – Denton, TX	10/2010 – 5/2014
<ul style="list-style-type: none">• Provided top tier service and new model support establishing a reputation for reliability leading to the highest regional manufacturer customer service rating	

Education

MSc Manufacturing Engineering, Texas Tech University – GPA: 3.6	8/2020 – Present
<ul style="list-style-type: none">• Anticipated Graduation: 5/2022	
BSc Mechanical Engineering, Texas Tech University – GPA: 3.6	Graduated 5/2020
<ul style="list-style-type: none">• Minor, Mathematics	
Automotive Technology, Lincoln College of Technology	Graduated 9/2010

Formula SAE

President	2017 – 2019
Aerodynamics Lead Designer	2016 – 2018

Certifications & Skills

Applications:	CATIA, SOLIDWORKS, Inventor, AutoCAD, MATLAB, LabVIEW, Arduino, Java, Confluence, Jira
Fabrication:	Additive Manufacturing, Composite Manufacturing, Manual Mill & Lathe, MIG & TIG Welding
Certifications:	ASE & Mazda Master Technician, Infiniti Engineering Academy 2018 US Finalist, Bell Helicopter Composite Production Training, RS Logix 5000 PLC Allen Bradley