

Sam Christensen

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Mechanical Engineer

Education

Texas Tech University

BSc Mechanical Engineering
Math Minor Graduated 5/2020
GPA 3.6
MSc Manufacturing Engineering
Anticipated Graduation 5/2022
GPA 3.6

Formula SAE

President
2017 - 2019
Aerodynamic Design Lead
2016 - 2018

Certification & Training

Master Technician
Mazda & ASE Certified

Infiniti Engineering Academy
2018 USA Finalist

Automotive Technology
Lincoln College of Technology

Composite Production
Bell Helicopter

RS Logix 5000 PLC
Allen Bradley

Applications

CATIA
SOLIDWORKS
Inventor
AutoCAD
FEA
CFD
MATLAB
LabVIEW
Arduino
Java

Fabrication

Composite Manufacturing
Additive Manufacturing
Manual Mill & Lathe
MIG & TIG Welding

Tesla, Vehicle Design

7/2021 - 12/2021

Closures Engineering Intern

Fremont, CA

- 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

9/2020 - 7/2021

Mechanical Engineer

Brooklyn, NY

- Developed 20% of vehicle part concepts into operational, manufacturable parts with acceptable tolerances
- Contributed to a cross functional team responsible for the fit and finish of the premier hypercar, the Streamliner Super Sport

Tesla, Manufacturing

1/2019 - 1/2020

Mechanical Engineering Intern

Fremont, CA

- Engaged with a diverse team of engineers, data analysts, and technicians to design and install equipment improvements
- 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 Mechanical Engineering Department

6/2018 - 12/2018

Machine Shop Student Assistant

Lubbock, TX

- Fabricated research equipment and supervised student design projects facilitating \$10 million of research and the completion of 24 student designs

Classic Mazda

10/2010 - 5/2014

Master Technician

Denton, TX

- Provided top tier service and new model support establishing a reputation for reliability leading to the highest regional manufacturer customer service rating