

CLARK GARRISON

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EDUCATION

Texas A&M University, College of Engineering B.S. Manufacturing and Mechanical Engineering Technology Will Graduate: May 2021, <i>GPA: 3.35/4.0</i>	College Station, TX Aug 2017 - Present
Arab Academy for Science, Technology and Maritime Transport Study Abroad course in Engineering Ethics	Alexandria, Egypt Dec 2019 - Jan 2020

TECHNICAL SKILLS

CAD/CAM:	Fusion360, SolidWorks, PTC Creo Parametric, ANSYS, AutoCAD, CNC G-Code
Software:	Visual Basic, MATLAB, LabView, L ^A T _E X, R, Minitab, PLC, MS Office
Hardware:	CNC Machining, Mill, Lathe, FDM Printing, Welding, Soldering, NDT
Personal Skills:	Project Management, Technical Writing, Documentation, Customer Service

EXPERIENCE

Senior Engineering Capstone <i>Project Incognito: Pro-Surve and Burton NDT Rentals</i>	Texas A&M University Aug 2020 - Present
<ul style="list-style-type: none">• Member of team responsible for designing and manufacturing NDT calibration standards for eddy current (ET) and ultrasonic testing (UT) methods using ASME B&PV Code Section V.• Performed feasibility study for renting non-destructive testing (NDT) equipment as a business venture.• Used GD&T and CNC machining to exceed NISTM standards and developed processes for inspection, precision machining, and transportation.	
TNC Power Equipment <i>Small Engine Mechanic</i>	Flower Mound, TX May 2019 - Aug 2019
<ul style="list-style-type: none">• Diagnosed, tested, and repaired small engine equipment including tractors, mowers, and generators.• Maintained equipment records on site and part acquisition through major distributors.• Reduced overall customer lead time from 7 weeks to 2 weeks.• Confer with customers on equipment malfunctions and how to prevent future failures.	
SAE Apprentice <i>Chapter at Texas A&M</i>	College Station, TX Aug 2017 - May 2018
<ul style="list-style-type: none">• Assisted in diagnosing and repair of various issues in single-seater, open-wheel race cars.• Shot photography on track for active suspension analysis.• Managed team in tire pressure vs. grip off-road BAJA sled-pull experiment.	

ACTIVITIES

Texas A&M Triathlon <i>Junior Officer, Team Photographer, Cohort Leader</i>	Aug 2019 - Present
Texas A&M Society of Manufacturing Engineers (SME) <i>Member</i>	Jan 2019 - Present
Texas A&M Society of Automotive Engineers (SAE) <i>Apprentice, Member</i>	Aug 2017 - Present

AWARDS

Dean's Honor Roll	Fall 2020
MMET 281 FDM 3D Print Design Competition Winner	Spring 2019
Boy Scouts of America Eagle Scout Award	Fall 2015