

Camden Carroll

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EDUCATION

LeTourneau University, Longview, TX (2018 – 2022)

B.S. in Mechanical Engineering, *summa cum laude*

3.85/4.00 GPA

Relevant Coursework

Applied Aerodynamics Machine Design Senior Design I&II Compressible Flow Vibrations

PROJECT EXPERIENCE

Senior Design Project:

- Team member tasked with designing, building, and launching a homing payload inside a rocket.
- Developed creative solutions and prototypes for presentation to team and faculty advisor
- Modeled parts and assemblies on SolidWorks, fabricated on 3D printers, and tested in the field
- Met deadlines for project stages and successfully produced a foldable drone-style payload

Experiment Design and Analysis

- Proposed to instructor experiment topic related to strength vs. geometry of 3D printed parts
- Designed test parts on SolidWorks using available ASTM testing standards and practices
- Developed test plan and conducted experiments in lab setting using 3-Point bend tester
- Documented experiment data and interpreted results using Minitab statistical software
- Communicated results to instructor through presentation and written report

SolidWorks CAD:

- Drafted professional parts, assemblies, and drawings in SolidWorks
- Analyzed parts using FEA and experience in GD&T methods
- Developed and modeled a new product for production in class project
- Documented bill of materials (BOM) for product and sourced standard parts from suppliers

WORK EXPERIENCE

Intern For Trinity River Authority (Summer 2022)

- Managed time to complete inventory organization and documentation through IBM Maximo
- Communicated plans, weekly progress, and suggestions to manager and co-workers

Intramural Coordinator (SP 2019 – SP 2022)

- Lead team in constructing and maintain fields and courts for each sport
- Communicated rules and sportsmanship expectations to teams before each season
- Delt with conflict during events and reported incidents to manager

CERTIFICATIONS

SolidWorks Associate – Mechanical Design, LeTourneau University, Certificate ID: C-RE8UNFGYQM – May 2022

SKILLS

Experience with: IBM Maximo – Minitab – SolidWorks – Microsoft Office – MATLAB – Java
Some knowledge of: Catia V5 – Arduino – LabVIEW – C++

EXTRA CURRICULARS

Cooking Club President (FA 2020 – SP 2022)

- Oversaw club that taught cooking skills and creative new dishes to college peers