

Lucas Robert Carlson

(254) 717-4720 | lucascarlson@utexas.edu | linkedin.com/in/lucasrcarlson

SUMMARY

Diligent senior mechanical engineering student pursuing a computer science certificate, interested in technology and design, seeking a full-time position starting after spring 2023

EDUCATION

Bachelor of Science with Honors, Mechanical Engineering **May 2023**
Cockrell School of Engineering, The University of Texas at Austin
GPA: 3.99 / 4.00

Elements of Computing Certificate **May 2023**
College of Natural Sciences, The University of Texas at Austin
Coursework GPA: 4.00 / 4.00

Relevant Coursework

Mechatronics | Fluid Mechanics | Differential Equations | Dynamic Systems and Controls

EXPERIENCE

Mechanical Engineering Intern, Mars – Royal Canin **Summer 2022**

- Saved \$11+ million per year by executing multiple projects to reduce waste and downtime onsite
- Coded a Monte Carlo simulation in Java to reduce downtime by arranging existing equipment
- Increased site workplace transport safety by implementing instructive signage on forklift restrictors
- Decreased changeover time by working with associates to alleviate equipment shortcomings

Historian, UT American Society of Mechanical Engineers **2021 – Present**

- Coordinated, processed, and distributed documentation of all ASME activities
- Led multiple ASME families by planning social and academic events with officers and members
- Managed, developed, and organized UT ASME's Flickr with more than 1,009,000 views
- Planned for and hosted meetings and events for corporate partners and 700+ members

Project Management and Economics, DIS Copenhagen, Denmark **Summer 2021**

- Calculated a project with the price based on RSMeans data, corrected for future time, location, and size with contractor fees based on a cost-plus contract and with a complete project timeline
- Studied project management and analyzed the economics that drive projects and their timelines
- Adapted to a new culture and environment while handling COVID ambiguity

President, Midway High School Robotics and Engineering Club **2018 – 2019**

- Founded and raised required capital to register and supply a new girls' team in First Tech Challenge
- Received 7+ inspire awards and commendation for stellar engineering notebook documentation
- Volunteered as a team at Meals on Wheels, Humane Society, and Waco Cultural Arts Festival

SKILLS

Proficient in coding with Java, MATLAB, Python, HTML, CSS, JavaScript

Proficient in CAD with SolidWorks and Autodesk Inventor

University of Texas Mechanical Engineering Machine Shop Certified

Familiar with additive manufacturing FDM 3-D printing and trained in laser cutting

Proficient with Microsoft Office, Adobe Suite, and Apple Suite