Cooper Lucas

Dallas-Fort Worth, TX | (972)515-6177
cooperlucas1@gmail.com

Summary

Entry-level mechanical engineer with experience in 3D design, maintenance of 3D printers, design process, and rapid iteration techniques. Adept at leading teams of diverse individuals with an emphasis on a growth mindset and continuous improvement. Extremely motivated to learn, grow, and excel in challenging environments.

Experience

Texas A&M University Department of Residence Life | Texas, College Station
24-Hour Desk Student Coordinator | 06/2023 - Present

- Provided excellent customer service to students and visitors by answering questions and checking out various resources.
- Maintained a clean and safe working environment in an attentive, professional, and helpful manner.

Aggies Create | Texas, College Station
Member | 08/2022 - Present

- Designing a hybrid race car for use in the Sports Car Club of America. Currently working on the battery and mechanical teams.
- Designed a smart filament dry box with printer integration for a high-speed printing startup.

The Midlothian Innovative Learning Experience | TX, Midlothian
Engineering Mentor and Consultant | 08/2020 - 05/2022

- Lead engineer tasked to design, construct, and present prototype iterations for small business teams.
- Two-time INCubatoredu final pitch qualifier.

Skills

3D CAD, Communication skills, Problem-solving, Time management, Organizational Skills, Highly motivated, Adaptable, Customer service, Teamwork, Leadership, Computer literacy, Python, C++, Microsoft Office

Education

Texas A&M University | College Station, Texas
Mechanical Engineering | 05/2026

- Currently completing courses in solid modeling, mechanics, principles of electrical engineering, and engineering ethics.
- Pursuing an electrical engineering minor and the Concept, Creation, and Commercialization (C3) certificate.
- 4.0 GPA

Midlothian Heritage High School | Midlothian, TX
Student | 06/2022

- Valedictorian with a 4.0 GPA
- College Board National Rural and Small Town Scholar

Projects

Voron 2.4 3D Printer - Constructed an open-source DIY 3D printer. Assembled systems such as frame, movement axes, bed heater, tool head, and electronics.

Modular 3D Printed Storage System - Designed and constructed a grid-based modular storage system for efficient tool and part organization using parametric modeling techniques.

Custom Quick Disconnect - Used an iterative process to design and manufacture a custom quick disconnect for a small business team.

Website

cooperlucas1.github.io