

# William M. Rohren

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## **PERSONAL STATEMENT**

I am seeking an internship level position for the summer of 2025 to make connections and to apply my knowledge in engineering and prototyping.

## **EDUCATION**

**Texas A&M University**, College Station, Texas  
Mechanical Engineering (MEEN)

Expected Graduation: Dec 2026  
**GPA: 2.92**

## **WORK EXPERIENCE**

### **Rapid Prototyping Studio (RPS) - Student Technician**

2024-present

- Operating a fleet of over 40 prototyping machines, including FDM/MSLA/SLS 3D printers, laser/waterjet/plasma cutters, vacuum formers
- Training >250 new MEEN students on the process of 3D printing at the RPS
- Repaired an abandoned Torchmate 4'x4' plasma cutter & built a new 5'x5'x5' custom 3D printer
- Leading and/or assisting diagnosing/repairing of our machines when failures occur

## **ACTIVITIES**

### **3D Printing**

- >5000 printing hours in Filament and Resin based personal 3d printing

### **Personal Projects**

- >400 hours working/researching various topics for personal endeavors
  - See Portfolio (QR code)
  - Self-taught skills:
    - Digital PCB design, Electronics design, Microcontroller usage, CAD assembly

## **ORGANIZATIONS**

### **Aggies Create**

2022-2023

- Consulting directly with the CEO of Accelerate 3D to design filament storage solution capable of controlling, monitoring, and logging temperature & humidity to within  $\pm 0.5^{\circ}\text{C}$  and 2%

### **Hullabaloo Band**

2022-present

- Playing Trumpet for the A&M pep band to support volleyball, basketball, and soccer teams

## **SKILLS**

### **Advanced knowledge of .....**

- Solidworks (MEEN 210)
- 3d printing with FDM/MSLA/SLS printers
  - Maintenance/Repairs
  - Advanced slicing knowledge

### **Familiarity with .....**

- Python (ENGR 102)
- ROBOTC, Arduino programming languages
- Use of Arduino/ESP32 hardware/software
- Autodesk Fusion & Inventor CAD/CAM
- Circuit prototyping with TinkerCAD
- Schematic & PCB creation w/ Altium & KiCAD
- CNC Milling (Haas Milling machine)
- Subtractive Machining with manual Lathe & Mills (FEDC/RPS)

### **Interested in .....**

- Technician/designing/prototyping roles
- Project based work
- Mechanical/Electronics work

QR Link to my Portfolio with projects  
that I have worked on:  
[thewamr.github.io](https://thewamr.github.io)

