

Stephen Smith

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EDUCATION

Bachelor of Science, Architectural Engineering, 05/2025

The University of Texas at Austin

Overall GPA: 3.4/4.00

Relevant Coursework: Statics, Computer Methods, Diff Eq. and Linear Algebra, Probability and Statistics

WORK EXPERIENCE

Machine Tool Operations for Engineers Teaching Assistant, 08/2022 – Present

- Instructing senior mechanical engineers on how to use industrial shop equipment
- Supervising safety of students while introducing new methods of machining
- Inspecting quality and tolerances of parts produced by students

Treasurer, Architectural Engineering Institute 08/2022 – Present

- Manage in- and out-bound fund transfers between corporate partners and the University of Texas
- Oversee financial management regarding socials and general meetings
- Coordinate spending for multi-organization end of year boat party

Technical SWE Intern, Quantum Computing, Inc, 07/2021 – 08/2022

- Conducted research comparing performance differences between classical and binary optimizations
- Created graphics with Python for both business and technical interpretations of logistical solutions
- Constructed a database to catalog all company research for future project reference
- Wrote coursework problems introducing binary optimization techniques to college students

ACTIVITIES

Intervarsity Leadership Team, 12/2021 – Present

- Facilitate large group bible studies for approximately 50 students
- Plan discussion material and desired direction for semester content

Longhorn Racing Machinist, 08/2021 – Present

- Machine parts with maximum 0.005" tolerance for a formula style racecar
- Methods employed for production include Manual Mill, Manual Lathe, Welding, CNC Mill
- Using SolidWorks to model components/create part drawings for manufacturing

SKILLS

Programming

- Python
 - Pandas, Matplotlib, Pyomo, Numpy
- HTML & CSS
 - Tailwind CSS, Next JS projects
- MySQL

CAD

- SolidWorks

Hobbies

- Woodworking
 - Spindle Turning
- Soldering