

# Robbie Burslem

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Sophomore Mechanical Engineering Student

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## EDUCATION

### Mechanical Engineering

May 2028

*Texas State University, San Marcos, Texas*

**Relevant Coursework:** Physics, Engineering Design, CAD, Statics, SolidWorks

### Computer Science

Aug 2024 - 2025

*Saint John's University, Collegeville, Minnesota*

*Collegiate Football, Coding Club*

**Relevant Coursework:** Computer science, Engineering Chemistry, Engineering Physics

## RELEVANT SKILLS

### Technical Skills

- **Engineering and Design:** SolidWorks CSWA Certification, Fusion 360, AutoCAD
- **Software and Programming:** JavaScript, Java, C, Unity, MATLAB
- **Automotive Mechanics:** Engine diagnostics, fuel systems, electrical systems

## HONORS

**Dean's List (High School)**

2024-2026

**Texas State Presidential Merit Scholarship**

2024-2028

**High School High Honors**

2020-2024

## EXPERIENCE

### Formula SAE Team – Texas State University

Aug 2025 - Present

*Team member*

- Member of the manufacturing team for the student-led Formula SAE race car program
- Contribute to the full design-to-manufacturing workflow, including CAD design in SolidWorks, CAM programming in Mastercam, and CNC machining
- Machine components on Haas 2 and 3 axis CNC mills to produce precision parts for the race car
- Collaborate with team members to translate engineering designs into manufacturable components

### Robotics and Automation Club

Aug 2025 – Present

*Industry Group Team Member*

- Selected for the Industry Group to design and implement automated systems for the school's makerspace
- Collaborate with team to design a real-world solution for the TXST Ingram Hall Engineering Lab
- Leading the hardware sub team to design and build the frame and components of the robot

### C40 Solutions

Aug 2024 - Present

*Property Management Assistant – Confidential Client, Austin, TX*

- Managed high-value property operations, ensuring smooth day-to-day functioning of several ultra-high net worth individuals
- Worked with valuable art, cleaning and moving. Demonstrating huge attention to detail.
- Coordinated tasks efficiently while adhering to strict confidentiality requirements

### Part Time Work

Aug 2022 - Present

*UT Golf Club and Longhorn Village*

- UT Golf Club Service Member – Assisted with everyday activities at UTGC
- Longhorn Village Dining Aide – Provided meals and helped with kitchen duties at retirement home