

Sean J. Lee

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EDUCATION

The University of Texas at Austin

Cockrell School of Engineering | Mechanical Engineering/Engineering Honors

Overall GPA: 4.0

Austin, Texas

Aug 2024 - May 2027

- **Languages:** Python, Java, JavaScript, Visual Programming
- **Developer Tools:** Multisim, Autodesk Inventor, Prusa Slicer, Pseudocode, Solidworks, MS Excel, MATLAB
- **Coursework:** AOI Circuits, Breadboarding, Logic Expressions, Truth Tables, K-Maps, 3D Printing, Digital Circuits
- **Certification:** Inventor Software, Multisim, Bambu Studio, Bambu Labs

WORK EXPERIENCE

Valero Engineering Summit

Intern/Scholar

San Antonio, Texas

May 2025

- Shadowed and assisted Reliability & Fixed Equipment engineers at Valero's biggest Refinery.
- Gained firsthand experience on how engineers of different disciplines work together to solve problems with mechanical systems and equipment to maximize efficiency.
- Selected as 1 of 28 students nationwide for the Valero Engineering Summit.

BB.Q Chicken USA

Waiter/Server

Cedar Park, Texas

Dec 2023 - Aug 2025

- Greeted and seated customers, took orders, delivered food and beverages promptly, ensuring customer satisfaction.
- Efficiently managed multiple tables, ensuring timely food delivery and active guest engagement.

City of Austin Emerging Leaders Summer Internship Program

Intern

Austin, Texas

June 2023 - July 2023

- Paid Internship working under the City of Austin to learn leadership skills and gain work experience in the business industry.
- Assisted supervisors and assistant managers with shift rotations and employee schedules.

ACADEMIC PROJECT

UT SEC Makeathon Competition

1st Place - LumiCube

Austin, Texas

October 2025

- Awarded 1st place out of 50 teams for designing and prototyping a teaching device to improve K-12 classroom efficiency by 25%.
- Engineered a tactile control cube using OnShape, and incorporated an accelerometer that detects orientation changes to transmit data to a peripheral LED bar effectively.
- Programmed the system using Arduino to map specific physical orientations to distinct lighting modes, allowing teachers to signal classroom activities (e.g., quiet time, group work, presentations).

Design Project Proposal

Optimized Clothing Hanger

Austin, Texas

Aug 2023 - Apr 2024

- Invented a prototype of an optimized clothing hanger that prevents clothing from wrinkling and stretching, while comfortably fitting all styles of clothing efficiently.
- Designed the prototype with engineering drawings and Autodesk Inventor.
- Presented a 7 month progress report of 3 prototypes and 1 final design to Samsung employees and UT Austin mechanical engineering professors.

ACTIVITIES

UT ASME (American Society of Mechanical Engineers)

Member

Austin, Texas

Sep 2024 - Current

- Actively participated in ASME's student chapter, engaging with over 200 members in networking, professional development, and skill-building activities.

UT SEC (Student Engineering Council)

Member

Austin, Texas

Sep 2024 - Current

- Demonstrated strong leadership, project management, and teamwork skills in achieving council goals and promoting a positive, inclusive environment for engineering students.