

Rehan Ahmad

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SUMMARY

Junior Mechanical Engineering student with hands-on experience in CAD modeling, Python programming, and Microsoft Office. Proven ability to collaborate effectively on team projects. Motivated to contribute to innovative projects while gaining real-world engineering experience.

EDUCATION

University of Houston – Cullen College of Engineering – Houston, Texas
Bachelor of Science in Mechanical Engineering with a Minor in Mathematics

January 2025 – May 2027
Current GPA: 3.313/4.000

RELEVANT PROJECTS

Vehicle Import Eligibility Checker

May 2025

- Developed a Python code that determines whether or not a vehicle is eligible for import into the USA under the guidelines of the Imported Vehicle Safety Compliance Act of 1988

Assembler | SwiftSort System – Ping Pong Ball & Wooden Disk Sorter | University of Houston

April 2025

- Coordinated with 4 team members to assist in the assembly of the SwiftSort System, demonstrating active participation in the overall design of the device
- Improved design performance by identifying defects through test runs and optimizing measurements of key components including the ramp and container
- Validated device performance and shared sorting results with the team, showcasing strong analytical and communication skills

Roof Designer & Drawing Creator | Model Townhouse | University of Houston

April 2025

- Collaborated with a team of 4 to design and construct a model townhouse, strengthening design, problem-solving, and technical project skills
- Designed roof using advanced techniques in SolidWorks and RD Works
- Created detailed house drawings using third-angle measurements, projections, and tolerance dimensions
- Assisted in final construction using clearance, interference, and transition fits, demonstrating applied mechanical design skills

ORGANIZATIONS & VOLUNTEERING EXPERIENCE

American Society of Mechanical Engineers (ASME)

January 2025 - Present

University of Houston

- Completed ASME mentorship under the president, boosting career readiness and optimizing job search strategies to apply to over 100 engineering internship positions with improved employer engagement
- Volunteered at the Spring 2025 Engineering Career Fair by organizing booths, directing guests, and assisting recruiters, ensuring a smooth and professional event

Academic Chair

August 2025 - Present

American Society of Mechanical Engineers (ASME)

- Planned and coordinated 8+ academic study nights and technical workshops in collaboration with officers, professors, and student organizations, increasing student academic participation and making the ASME Academic Committee the most active committee

SKILLS

Software & Electronics: Computer-aided Design | Microsoft Office | 3D-Printing | CNC Mill | Laser Cutting | Python | MATLAB | Arduino

Applications: SolidWorks, AutoCAD, Revit, PyCharm, MATLAB, Excel, Cura, Fusion360, RD Works

Engineering Skills: Project Planning | Troubleshooting | Problem Solving | Analytical Thinking | Detail-Oriented | Continuous Improvement | Safety-Minded

Soft Skills: Leadership | Time Management | Teamwork | Communication | Eager to Learn | Self-Motivated | Working Independently | Professionalism | Innovative Mindset | Exhibit Corporate Values

WORK HISTORY

Seasonal Retail Sales Associate

October 2024 – January 2025

Macy's Inc. Houston, Texas

- Provided outstanding service to hundreds of customers, earning recognition for excellence from both customers and staff
- Organized hundreds of items in accordance with company guidelines
- Maintained a safe shopping environment for customers and staff through regular cleaning and hazard mitigation

Receiving Associate

December 2022 – February 2024

Burlington Stores Inc. Cypress, Texas

- Processed thousands of items with care and detail, earning recognition for dependability from superiors
- Mentored new colleagues in product placement and efficiency methods, strengthening leadership skills
- Demonstrated strong time management skills by distributing hundreds of items in under 20 minutes, allowing for increased productivity