

Jayce Rowe

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SUMMARY

Chemical Engineering student preparing for supervised environmental, health, and safety work in industrial operations. Academic and laboratory experience includes workplace noise assessment, **waste handling**, waste manifest documentation, stormwater collection planning, introductory air permitting, process safety, and EHS form development. Uses Excel, Word, PowerPoint, and Outlook to organize technical findings, revise training materials, and communicate practical recommendations. Laboratory projects have included mapping waste movement, documenting containment checkpoints, reviewing chemical handling procedures, and protecting confidential records. Brings analytical problem solving, mechanical reasoning, careful organization, and clear communication to team settings. Student leadership has strengthened follow through, constructive collaboration, and confidence presenting safety and environmental findings. Ready to contribute thoughtful, well documented work that supports **employee well being, safe plant operations, environmental stewardship**, and regulatory compliance.

EDUCATION

Bachelor's Degree in Chemical Engineering

2027

The University of Texas at Arlington GPA: 0

Arlington, TX

***Coursework:** Process Safety, Environmental Engineering, Chemical Process Design, Engineering Statistics, Occupational Safety*

TECHNICAL SKILLS

- **Microsoft Office:** Excel, Word, PowerPoint, Outlook
- **Environmental Compliance:** TCEQ, Stormwater Sampling, Air Permitting
- **Waste Management:** Waste Manifests, Waste Segregation, Containment Areas
- **Safety Assessment:** Noise Assessment, Exposure Logs, Safety Observations
- **Process Safety:** Hazard Review, Safe Work Practices, Incident Reporting
- **EHS Documentation:** Inspection Forms, Corrective Actions, Training Records
- **Data Organization:** Excel Logs, Measurement Records, Scenario Analysis
- **Technical Communication:** Written Reports, PowerPoint Briefings, Research Meetings
- **Laboratory Safety:** Chemical Handling, Emergency Procedures, Personal Safety
- **Environmental Sampling:** Collection Points, Field Documentation, Sample Handling
- **Regulatory Records:** Shipment Records, Manifest Collection, Compliance Files

SKILLS

- | | | | |
|--------------------|-----------------------|-------------------|------------------------------|
| • EHS | • Stormwater Planning | • EHS Forms | • PowerPoint |
| • Noise Assessment | • TCEQ Concepts | • Training Review | • Outlook |
| • Waste Handling | • Air Permitting | • Excel | • Analytical Problem Solving |
| • Waste Manifests | • Process Safety | • Word | |

EXPERIENCE

Environmental Health and Safety Research Assistant

January 2026 - Present

University Research Lab

Arlington, TX

Supports supervised EHS research in a teaching scale process laboratory, covering exposure assessment, waste workflows, documentation, training materials, and confidential records. Presents findings to faculty and laboratory leaders using clear technical communication.

- Recorded laboratory noise readings by location and operating condition for faculty review.
- Built **Excel** exposure logs supporting repeat measurements through consistent collection methods.
- Mapped **waste movement** through satellite accumulation and central storage checkpoints.
- Drafted EHS **forms** for inspections, waste transfers, and corrective action follow up.
- Revised onboarding materials covering chemical handling, personal **safety**, and emergency procedures.
- Presented confidential project findings through Word reports and **PowerPoint** briefings.

Industrial Waste and Stormwater Process Student

August 2025 - December 2025

Capstone Project

Arlington, TX

Completed a supervised process improvement study for a simulated filtration manufacturing facility. Developed practical waste, stormwater, air permitting, and documentation workflows, then presented implementation considerations to faculty and classmates.

- Traced simulated **waste movement** from **production areas** through containment and shipment.
- Created manifest handoffs, storage checks, and shipment records for course evaluation.

- Prepared **TCEQ** based stormwater sampling points and field documentation requirements.
- Reviewed **air permitting** scenarios by recording emission sources for regulatory discussion.
- Compared process alternatives in Excel using equipment and material flow reasoning.
- Presented process maps, forms, and compliance rationale to faculty and 18 classmates.

Process Safety and Training Project Lead

January 2025 - May 2025

Student Lab

Arlington, TX

Led a supervised four student team reviewing safety training for a simulated industrial process laboratory. Coordinated revisions, forms, briefings, confidential records, and instructor feedback while keeping deliverables practical and clear.

- Assigned research tasks and maintained a shared schedule for four student contributors.
- Rewrote training modules covering safe work, waste segregation, and incident reporting.
- Created Word forms for training acknowledgments and safety observations.
- Tested forms during laboratory exercises and corrected unclear completion fields.
- Built PowerPoint briefings connecting process hazards with procedures and escalation steps.
- Secured confidential peer evaluation files for faculty and student team access.

PROJECTS

Industrial Waste and Stormwater Workflow 📅 2025

Mapped waste containment, shipment records, manifest collection, TCEQ stormwater sampling, and introductory air permitting considerations for a simulated facility.

Laboratory Safety Training Revision 📅 2025

Reworked supervised laboratory training materials, forms, and briefings so students could follow safe work, waste, and emergency procedures.

LEADERSHIP & AWARDS

- College of Engineering Undergraduate Project Showcase Finalist, 2026
- Dean's List, 2025
- Academic Excellence Scholarship, 2024 to 2026

CERTIFICATIONS

- OSHA 10 Hour General Industry 📅 2026
- Microsoft Learn Excel for Data Analysis Fundamentals 📅 2025

PROFESSIONAL AFFILIATIONS

- Student Safety Committee, Project Coordinator, 2025 to Present
- Engineering Peer Mentor, 2026 to Present
- Campus Sustainability Volunteer, 2025 to Present

LANGUAGES

- English (Native) • Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST