

WANRU LI

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EDUCATION

Bachelor of Science, Petroleum Engineering

May 2029

Engineering Honors Program

The University of Texas at Austin

GPA- 3.960/4.000

EXPERIENCE

Field I Engineering Intern, Hilcorp Energy Company *Pecan Island, LA*

Jun. 2026 – Aug. 2026

- Mapped production flow across three offshore platforms, tracing oil, gas, and water from wells through separation, compression, treatment, sales, and water disposal.
- Built and updated a Google Earth field map and developed 15 flow diagrams documenting platform, well, equipment, and process configurations.
- Supported offshore operations and Platform 1 reconstruction activities for installation of a new compressor; gained hands-on exposure to production facilities and operating constraints.
- Observed artificial lift operations at Red Fish Point, gaining exposure to how well conditions and lift systems influence production operations.

Undergraduate Research Assistant, University of Texas RAPID Consortium *Austin, TX*

Feb. 2026 – Present

- Review field applications of automated hole cleaning and wellbore stability monitoring systems.
- Support development of laser-based sensors for automated cuttings and cavings identification.
- Prepare technical documentation and improve reproducibility of drilling data analysis workflows.

Summer Intern, University of Texas Marine Science Institute *Port Aransas, TX*

Jun. 2024 – Jul. 2024

- Conducted laboratory and field research on polymer biodegradation; performed FTIR analysis and presented findings.

LEADERSHIP & ACTIVITIES

Women in Petroleum and Geosystems Engineering

Outreach Coordinator

Apr. 2026 – Present

Freshman Representative

Feb. 2026 – May 2026

- Coordinate faculty engagement, STEM outreach, mentorship, and community initiatives.

Fourth Place Overall, Texas Energy Consulting Case Competition

Mar. 2026 – Apr. 2026

- Evaluated technical and economic feasibility of converting legacy Permian oil and gas infrastructure into a CCUS hub; assessed CO₂ transport, reservoir storage, and 45Q incentives.
- Collaborated with business students to develop recommendations balancing technical feasibility and financial performance; presented to industry professionals.

Finalist, UT PGE 6th Annual Energy AI Hackathon (Top 13 of 45 Teams)

Jan. 2026

- Built machine learning models predicting three-year cumulative oil production from geological and production data; applied feature engineering, uncertainty quantification, and model optimization.
- Earned 1st in Code Ranking and 4th in Presentation.

Fourth Place Overall, Noble Corporation Co-Innovation Challenge

Sep. 2025 – Oct. 2025

- Collaborated with Noble engineers to develop solutions for offshore drilling operations and presented technical recommendations to industry mentors.
- Visited Noble BlackRhino drillship to observe offshore drilling systems and safety operations.

ADDITIONAL

- Student Advisory Council Member, Kay Bailey Hutchison Energy Center 2026
- Team Lead, The Project – UT Austin's Largest Day of Service *Austin, TX* 2025
- **Technical:** Data Analysis, Machine Learning, Numerical Methods, Google Earth, FTIR