

ROBERT (“ROBBIE”) HUA

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EDUCATION

- 08/2024 – 05/2028 **University of Texas, Austin – Austin, TX** GPA: 4.0
Bachelor of Science (BS), Petroleum Engineering
- Hildebrand Department of Petroleum and Geosystem Engineering Scholarship – 2024
- Texas Exes Boston Chapter Scholarship – 2024
- 08/2020 – 05/2024 **Deerfield Academy (9-12th grade) – Deerfield, MA** GPA: 4.0
- Member of the Cum Laude Society, School Choir and A Capella (Co-Leader)
- Varsity Cross Country (Co-Captain), Varsity Track & Field (Co-Captain)

EXPERIENCE

- Summer 2025 **Helmerich & Payne Inc. – Tulsa, OK**
- Field-based engineer intern for the global leader in drilling operations and solutions.
- Spring 2025 **UT PGE 5th Annual Energy AI Hackathon – Austin, TX**
- Recruited four computer science majors to form a team and won 3rd place among a 40+ strong field
- Analyzed 1000+ data points to predict energy usage for hydraulic fracturing in various formations.
- Engineered machine learning models with principal component analysis, feature selection and random forest regression to achieve 11% mean absolute percentage error and 91% accuracy.
- Fall 2024 **Research Assistant at Human Locomotion Lab – Austin, TX**
- Collaborated in team of three to perform gait analysis on 40+ participants for biomechanical patterns.
- Processed 6000+ kinesiological data entries in Vicon for impact study of heel drop on running.
- Summer 2023 **Apprenticeship at Complete Automobile Repair Specialists – Cromwell, CT**
- Serviced 100+ cars by rewiring circuitry, installing IIDs and keeping general maintenance.
- Utilized hand held drills, wheel alignment machines and balancers to replace and align 150+ tires.
- Coordinated with 20+ customers and 10+ parts suppliers to ensure seamless services.
- Summer 2022 **Wrangler-In-Training at Klein Ranch – Isabel, SD**
- Shadowed and trained with staff on 2,300 acres of Wild West, assisting with all aspects of leadership with 20 campers, 25 horses and numerous cattle.

ORGANIZATIONS & COMMUNITIES

- Fall & Spring 2024 **Butler Opera Center, – Austin, TX**
- Ensemble member, performed in the opera *La Traviata* to both school and public audience.
- Rehearsed three times a week, refining vocal and stage performance under professional direction.
- Fall 2024 **Society of Petroleum Engineers (SPE) / American Association of Drilling Engineers (AADE)**
- Elected as Freshmen Representative for SPE, organized monthly social events and engaged with 10+ guest speakers to discuss industry trends, technological advanced and recruitment opportunities.
- Spring 2023 **Global Citizenship Service at Mainsprings Camp – Kitongo, Tanzania**
- Day-cared orphans, partnered with local students on sustainable farming projects and experienced the day-to-day challenges of NGOs in developing countries.

SKILLS & ACCOMPLISHMENTS

- Proficient in Spanish & Chinese / Programming languages: Python, JavaScript
- Adidas Track Nationals 2024 – 9th in 4 x 400-meter relay
- UMass Young Artist Award 2022 - 2nd place in vocal performance
- Royal Conservatory of Music Certificate for Level 8 Piano (First Class Honors)

SUMMARY

Self-driven and organized. Demonstrated leadership. Team player with a strong work ethic. US citizen