

# Xueyu “Amanda” Luo

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## EDUCATION

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**Texas A&M University** | College Station, TX  
B.S. Petroleum Engineering, Minor in Chinese

Dec 2025

## WORK EXPERIENCE

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**HOCAM** | College Station, TX

*Research Assistant*

*Sep 2024 – Present*

- Conducted thermal enhanced oil recovery experiments on unconventional oil using methods including in-situ combustion, microwave heating, solvent-steam processes, and surfactant-steam flooding 20 hours a week
- Operated Fei Quanta 600 FE-SEM to obtain the element compositions of crushed rock samples
- Performed thermogravimetric analysis and differential scanning calorimetry to measure heat flow in rock and fluid samples
- Measured total dissolved solids, viscosity, and pH in fluid samples

**Huayi Education** | Plano, TX

*Teacher's Assistant*

*Jun 2021 – Aug 2022*

- Documented student activity and offered personalized feedback for student improvement
- Helped teachers implement curricula activities for 30 students and encouraged active participation
- Oversaw health and safety guidelines for 6 classrooms
- Explained concepts relating to mathematics, English literature, and Chinese
- Maintained student records with attendance, participation, and grades

**Snowfox** | Plano, TX

*Produce Manager*

*Jun 2022 – Aug 2022*

- Cut, weighed, and packaged over 80 boxes of fruit per day that meets customer satisfaction standards
- Collaborated with coworker to streamline tasks, increasing the average number of boxes packed by 20%

**Art Teacher** | Plano, TX

*Self-employed*

*Sep 2019 – Aug 2021*

- Taught 5 students an hour per week for 2 years how to use color, shading, and perspective to realize artistic visions
- Personalized art instructions to help each student improve their abilities
- Managed classroom supplies to maintain ample materials for all students' artistic pursuits

## LEADERSHIP EXPERIENCE

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**Energy Research Society** | College Station, TX

*Event Coordinator*

*Jan 2023 – Jan 2024*

- Organized the largest student-led symposium in the United States (2023 Conference on Energy) with over 400 participants
- Campaigned and acquired over \$10,000 of sponsorships from 5 energy companies
- Managed the 2023 Energy Transition Case Competition with over 50 participants and \$3,000 in cash prizes
- Worked with the internal outreach committee to create 3 on-campus student engagement events per year

**Society of Petroleum Engineers** | College Station, TX

*Member*

*Jan 2022 – Present*

- Attended the annual student retreat and networked with professionals about current industry events, outlook, methods, and technology
- Planned events with the technical development committee to enhance the technical proficiency of the student body

**ACE Dance Team** | College Station, TX

*Member*

*Aug 2023 – Present*

- Communicated and collaborated with other dancers to perfect choreography, formation, and timing
- Trained 3 hours a week to perform dances in the hip hop genre at on-campus events

**Texas A&M University Robotics Team and Leadership Experience** | College Station, TX

*Member*

*Sep 2022 – Feb 2023*

- Developed an autonomous projectile launcher with wood using SolidWorks and Arduino frameworks

## SKILLS AND INTERESTS

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- Python, MS Excel, PVTsim Nova, Kingdom, and fluent in Chinese (advanced mid on Oral Proficiency Interview)
- Sing, guitar, piano, and music production