

Jeannette F. Xu

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EDUCATION

The University of Texas at Austin

Bachelor of Science, Petroleum Engineering

May 2019

Overall GPA: 3.55/4.00

Elements of Computing Certificate Program

Coursework in various programming courses: Python, Java, Web programming, App development, and Software Design

EXPERIENCE

CNOOC Research Institute Intern – Beijing, China

July – August 2016

- Worked in the Overseas Development Department investigating Middle Eastern oilfields with limestone or dolomite reservoirs
- Further researched fields that implemented horizontal drilling, multilateral drilling, and water injection

China National Petroleum Corporation (CNPC) Extern – Daqing, China

June – July 2016

- Observed the daily operations necessary to maintain drilling rigs and pumpjacks in the Daqing Oilfields
- Gained a greater understanding of the treatment of hydrocarbons (how oil and natural gas are separated, how excess saline water is removed from crude oil, and how the removed water is treated and reincorporated into the drilling process)

HackDFW Participant – Dallas, Texas

April 2016

- Ranked in the top 25% of projects created at the hackathon
- Built an accelerometer android app using Android Studio: Tilt – a quirky game that targets the user's quick thinking skills in order to pass each level
- Learned how to implement the accelerometer and design a game layout within 24 hours

Tianjin University Offshore Engineering Research Intern – Tianjin, China

Summer 2015

- Worked in one of the most advanced test facilities for deep-water pressure cabin in the world, testing for pipe collapse and buckling under water pressure
- Successfully simulated pipeline testing at a 4,300 meter depth with a maximum pressure capacity of 43 MPa
- Presented the results of the research at the China-ASEAN Innovation Achievements Expo in Marine Science and Technology in Guizhou, China in August

LEADERSHIP

Women in Petroleum and Geosystems Engineering (WPGE) – SEC Representative

Fall 2016 – Present

- Liaison between WPGE and SEC (Student Engineering Council) and encourage participation in SEC's largest event, E-Week
- Encourage more members, especially freshmen, to join and participate in WPGE's events
- Plan and host monthly meetings and socials throughout the year

Society of Petroleum Engineers – Community Service Committee Member

Fall 2015 – Present

- Coordinated outreach activities for Introduce a Girl to Engineering Day and Explore UT: Cupcake Coring
 - Taught young girls about Petroleum Engineering and where oil is located within the Earth through the activity
 - Baked and frosted over 200 three-layer cupcakes in preparation for the activity
- Inspired younger students to pursue Petroleum Engineering
- Informed the community about Petroleum Engineering

PGE Mentor – Freshmen Mentor, Women in Engineering Peer Assistance Leader (WEP PAL)

Fall 2016 – Present

- Organized and hosted an Oil and Gas Seminar with upperclassmen and faculty as guest speakers to advise freshmen and transfer students about EXPO and tips for success
- Created a Facebook group for freshmen to interact and ask questions
- Mentored freshmen women in Petroleum Engineering

PROFESSIONAL ORGANIZATIONS

Hydraulic Fracturing Public Awareness Committee (FRAC PAC)

Spring 2016 – Present

Society of Women Engineers, Active Member

Fall 2015 – Present

American Association of Drilling Engineers, Active Member

Fall 2015 – Present

HONORS, AWARDS, AND ADDITIONAL INFORMATION

Petroleum and Geosystems Engineering Department Scholar from EOG Resources

2016 – 2017

Petroleum and Geosystems Engineering Department Scholar from BP

2015 – 2016

Languages: Bilingual in Mandarin Chinese