

Robert “Walker” Bancroft

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EDUCATION

Texas A&M University

Bachelor of Science, Petroleum Engineering – Total Earned Hours: 123

GPA: 4.0 – Honors Engineering Program

College Station, TX

Expected Graduation: May 2022

PROFESSIONAL EXPERIENCE

Comstock Resources Inc.

Frisco, TX

Reservoir Engineering Intern

May 2021 – August 2021

- Analyzed the effects of landing zones on the performance of 5,000 wells in the Haynesville basin using a self-developed Spotfire template; discovered a fluid production trend in LZs unique to a single type curve area
- Developed an Arps forecasting tool in VBA that matches ARIES 99.9% and reduces input time to the corporate financial model by 1/5th of the previous process
- Coded a survivor bias algorithm in R that corrects average pressure-normalized-rates and enables a quick and reliable comparison of large-scale well performance
- Designed and implemented a SOP for correcting pore pressures that improved accuracy of RTA EURs by 20%
- Programmed a gun-barrel side view PDF exporter in R that calculates and exports each side view in 4-7 seconds/well (96% faster than the previous process) without having to recalculate every time
- Constructed an ARIES Economics model from scratch utilizing lookup tables, sidefiles, and Microsoft Access

Noble Energy

Greeley, CO

Engineering Intern; Cancelled due to COVID

May 2020 – August 2020

- Instead completed 12 hrs of classes, undergraduate research, and a TAMU Sales & Analytics Immersion Program

OTHER EXPERIENCES

Undergraduate Researcher Under Ibere Alves

June 2021 – Present

- Developed a toolbox in VBA that models fluid properties from the reservoir to the separator, a crucial piece in designing AL methods & flow assurance; accounts for temperature distributions in the wellbore and pipelines

Undergraduate Researcher Under Hadi Nasrabadi

June 2020 – August 2020

- Evaluated and summarized the practical use of nanoparticles in unconventional reservoirs for various aspects of petroleum engineering, including EOR, hydraulic fracturing, reservoir characterization, and drilling
 - Reduced the fluid loss of OBM by 70% compared to 9% for conventional loss circulation materials
 - Nanoflooding increased recovery factor by up to 14% while recovering more than 80% of the nanoparticles

SPE Student Paper Contest – Artificial Neural Networks Predict Drilling Dysfunctions

Spring 2020

- Utilized ANNs to predict downhole drilling dysfunctions in real-time in order to decrease costs in unconventional reservoirs by optimizing ROP and minimizing damage to BHA components & drill bits

LEADERSHIP

Society of Petroleum Engineers – Texas A&M Student Chapter (TAMU-SPE)

August 2018 – Present

Director of Social & Sport, 2021-2022

- Led a committee of 10 members that planned and executed 30+ events that fostered professional relations between students and the industry; examples include a crawfish boil, BBQs, cornhole picnics, and intramural sports

Student Mentor, 2021-2022

- Guided the professional development of underclassmen via advice on career fairs, resumes, interviews, and more
- Routinely assisted mentees in setting and achieving short-term and long-term goals

BUILD – Student Supervisor

August 2020 – December 2020

- Coordinated all on-site volunteers in converting 5 shipping containers into medical clinics for communities in need

SKILLS

R, VBA, Python 3.6+, Spotfire, ARIES, Excel, Access, SQL, Machine Learning, CMG, Interactive Petrophysics

INVOLVEMENT

American Association of Drilling Engineers (2019-Present) – Helped plan various workshops on the technical development committee

Freshman Aggies Spreading Tradition (2018-2019) – Served 50+ hours raising enough money for 7 Aggie Ring Scholarships

Big Event (2018-2019) – Painted and landscaped underserved community members houses in the Bryan, Texas area

Intramural Sports at TAMU (2018-Present) – Multiple teams each semester including softball, basketball, action-ball, and soccer

HONORS

- Noble Energy Scholarship (2020)
- Dean’s Honor Roll for the College of Engineering (2019–2021)
- President’s Award for Educational Excellence (2018)
- President’s Volunteer Service Award (2017)
- National Merit Commended Scholar (2017)

CERTIFICATIONS

- TIBCO Spotfire for Oil and Gas Professionals (2021)
- StimPlan V8: Fracture Design and Analysis (2021)
- TAMU Sales & Analytics Immersion Program (2020)
- K&M Technology: Extended Reach Drilling (2020)
- International Well Control Forum: Level 1 (2020)
- Wild Well Control: Fundamentals of Well Control (2019)
- Various LinkedIn Learning Courses