

NGOC LAM TRAN

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OBJECTIVE

A Petroleum Engineering student with strong background in data analytics/ machine learning, experimental research, and modeling simulation, my strengths include time management, working well as part of a team and multi-disciplinary collaboration seeking to acquire and complete a full-time or an internship in oil and gas industry.

EDUCATION

Master of Science in Petroleum Engineering | December 2020

GPA: **4.00 / 4.00**

Bachelor of Science in Petroleum Engineering | May 2019 | Tau Beta Pi Engineering Honor Society Member GPA: **3.93 / 4.00**

University of Oklahoma (OU) | Norman, OK.

WORKING EXPERIENCES

Graduate Research Assistant

Mewbourne School of Petroleum and Geological Engineering (MPGE) | OU | Jun 2018 – Present

- Applied data analytics and machine learning techniques on lithology prediction based on MWD logs
- Operated data analytics and modeled laboratory testing on sucker-rod pump failure detection
- Conducted Transient Multiphase Flow simulation to determined optimal case for perforation placement and horizontal well configurations in production optimization
- **Publication: Transient Multiphase Analysis of Well Trajectory Effects in Production of Horizontal Unconventional Wells SPE-195230-MS**

Petroleum Engineering R&D Intern

Petroleum Emerging Technology Corporation (Petroleum ETC) | Houston, TX | May – Aug 2019

- Constructed RTA and full-field numerical simulation to analyze reservoir injectivity evolution in a Huff & Puff operation
- Utilized Decline Curve Analysis model to build economic evaluation for co-Injection EOR delivery system in Eagle Ford asset
- Developed Multiphase Flow Modeling for Liquid-Assisted Gas Injection (LAGI) during EOR process
- Research, peer-review and collaborated in university research in injection for wettability alteration on Eagle Ford cores and multiphase flow for EOR injection cycles
- Collaborated in multidisciplinary team project responsible for Business Development and Module Design for EOR ventures

Petrophysics Laboratory Technician

Integrated Core Characterization Center (IC3) | OU | Sep 2017 – Jun 2018

- Carried out petrophysical measurements namely mineralogy (FTIR), pore size distribution (NMR, MICP), porosity and permeability (AP 608 permeameter, low and high-pressure helium porosimetry), acoustic velocities (high pressure/ temperature resistivity cells) in core samples
- Assisted departmental research in oil and gas commercial projects and unconventional shale gas consortium

Subsurface Exploration/ Petrophysics Intern

Cuu Long Joint Operating Company (CLJOC) | Vietnam | May – Aug 2017

- Interpreted petrophysical data from the well logs in White Lion Field to determine the potential payoff sequence
- Worked on Schlumberger's ARC logging tools and Interactive Petrophysics software to do formation evaluation
- Researched and edited "The Fracture Basements of Brown Lion Fields" publication

SKILLS

Certificates: Intermediate in R for Data Sciences (Datacamp), Python for Data Sciences and Machine Learning Bootcamp (Udemy), Fundamentals of Well Control (Wild Well Control)

Programming Skills: VBA | MATLAB | Java | Python | Rstudio

Technical Skills: PIPESIM | OLGA | MBAL | PVTi | Petrel | PROSPER | IP | CMG | AIRES | IHS- Harmony | Petra | KAPPA| PHDWin

Language Skills: Bilingual, fluent in VIETNAMESE and ENGLISH

LEADERSHIP EXPERIENCES

Treasurer | Society of Petrophysicists and Well Log Analysts (SPWLA) | OU | Aug 2015 – Present

- Raised \$2500 for the OU chapter by contacting MPGE department, oil companies and SPWLA OKC chapter
- Scheduled and organized technical talks, software training workshops, student paper contest

Petrobowl Chair, International Liaison | Society of Petroleum Engineers (SPE) | OU | Aug 2015 – Present

- Responsible for scheduling practice sessions, team organization and material preparation for Petrobowl at ATCE 2018
- Increased international students' membership by promoting social media and organizing SPE International Mixer event

HONORS & AWARDS

University Scholar

Outstanding MPGE Senior and International Student Awards

SPE Outstanding Member Award

Dean's & President's Honor Rolls

Recipient of MPGE, MCEE, AADE Mid-Continent and SPE Dallas Scholarships

OU SPE Student Paper Contest Winne