

MITCHEL BROTEN

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mbrotten15.github.io

2515 Pearl St Apt 608 • Austin, TX 78705 • (713) 280-6996

EDUCATION

The University of Texas at Austin GPA: 3.5	Major: Petroleum Engineering Minor: Business Foundations Additional Coursework: Subsurface Machine Learning, Fundamentals of Enhanced Oil Recovery, First Year Chinese I, First Year Chinese II	May 2020
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EXPERIENCE

Pioneer Natural Resources – <i>Reservoir Engineer Intern; Dallas, TX</i>	Summer 2019
<ul style="list-style-type: none">• Competitor analysis on the Strategic Planning and Field Development team• Made recommendation on area specific development strategy based on XTO trade data• Analyzed well spacing, sequencing, and stacked development• Utilized SQL and Spotfire to access database and analyze data	
Hilcorp Energy Company – <i>Field Engineer Intern; Aguilares, TX</i>	Summer 2018
<ul style="list-style-type: none">• Designed SWD conversion from surface and subsurface to add \$900k NPV• Pilot-tested leak detection equipment to be used by lease operators• Gained hands-on experience in production, facilities, workovers, and frac	
Rig Automation and Performance Improvement in Drilling (RAPID) – <i>Undergrad Research Assistant</i>	Spring 2019- Present
<ul style="list-style-type: none">• Analyze high frequency drilling data to identify trends to reduce nonproductive time• Utilize Pandas, Numpy, Matplotlib, and Spotfire for data analysis• Work with a team of undergrads to combine our code into a useable workflow	

ACTIVITIES

Society of Petroleum Engineers (SPE) at UT – <i>President</i>	Spring 2019 - Present
<ul style="list-style-type: none">• Book energy industry related companies to speak at meetings• Secure corporate partnerships to fund yearly events• Lead officer team and help with day to day operations	
Society of Petroleum Engineers (SPE) at UT – <i>Vice President of Internal Affairs</i>	Spring 2018 - Spring 2019
<ul style="list-style-type: none">• Coordinated general meetings, info sessions, lunch and learns, etc.• Increased meeting attendance by 20% by letting members vote on food choices• Managed logistics committee to streamline meeting setup	
PGE First-Year Mentor	Fall 2018 - Present
<ul style="list-style-type: none">• Mentor 8 students to assist in the transition to college life and coursework• Provided students with engineering resources and networking events throughout the academic year• Led students in a 3D printing project	
Website – <i>mbrotten15.github.io</i>	Spring 2019 - Present
<ul style="list-style-type: none">• Utilize HTML, JavaScript, CSS, and Python for web development• Write articles about business, engineering, and statistics to share knowledge with others	

AWARDS

Raymond V. Cruce Endowed Scholarship in Petroleum Engineering
Hilcorp Departmental Scholarship

ADDITIONAL INFORMATION

Computer Skills: Spotfire, Wellview, Python, Matlab, SQL, CMG

Work Eligibility: Eligible to work in the U.S. with no restrictions