

# MITCHEL BROTEN

mitchelbroten@utexas.edu | mbroten15.github.io  
2515 Pearl St Apt 608 • Austin, TX 78705 • (713) 280-6996

## EDUCATION

<b>The University of Texas at Austin</b> <b>GPA: 3.5</b>	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

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

## ACTIVITIES

<b>Society of Petroleum Engineers (SPE) at UT</b> – <i>President</i>	Spring 2019 - Present
<ul style="list-style-type: none"><li>• Book energy industry related companies to speak at meetings</li><li>• Secure corporate partnerships to fund yearly events</li><li>• Lead officer team and help with day to day operations</li></ul>	
<b>Society of Petroleum Engineers (SPE) at UT</b> – <i>Vice President of Internal Affairs</i>	Spring 2018 - Spring 2019
<ul style="list-style-type: none"><li>• Coordinated general meetings, info sessions, lunch and learns, etc.</li><li>• Increased meeting attendance by 20% by letting members vote on food choices</li><li>• Managed logistics committee to streamline meeting setup</li></ul>	
<b>PGE First-Year Mentor</b>	Fall 2018 - Present
<ul style="list-style-type: none"><li>• Mentor 8 students to assist in the transition to college life and coursework</li><li>• Inform students of engineering resources and networking events</li><li>• Led students in a 3D printing project</li></ul>	
<b>Website</b> – <i>mbroten15.github.io</i>	Spring 2019 - Present
<ul style="list-style-type: none"><li>• Utilize HTML, JavaScript, CSS, and Python for web development</li><li>• Write articles about business, engineering, and statistics to share knowledge with others</li></ul>	

## 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