

MITCHEL BROTEN

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EDUCATION

The University of Texas at Austin GPA: 3.5	Major: Petroleum Engineering Minor: Business Foundations Additional Coursework: Subsurface Machine Learning, Oil and Gas Law, First-Year Chinese	May 2020
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EXPERIENCE

Pioneer Natural Resources – <i>Reservoir Engineer/Analyst Intern; Irving, TX</i>	Summer 2019
<ul style="list-style-type: none">• Competitor oil well performance analysis on the Strategic Planning and Field Development team• Recommended future development strategy based on Exxon trade data and Pioneer internal data• Presented detailed analysis and findings on key well performance drivers to leadership• Learned to utilize 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 saltwater disposal well project(surface facilities and wellbore design) to add \$900,000 in value• Pilot-tested gas leak detectors to reduce environmental impact and prevent lost revenue• Gained hands-on experience in oil and gas production, facilities, workovers, and fracture stimulation• Presented project to CEO and upper management	
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• Collaborate with a team of undergrads to combine our code into a useable workflow	

LEADERSHIP

Society of Petroleum Engineers (SPE) at UT – <i>President</i>	Spring 2019 - Present
<ul style="list-style-type: none">• Lead officer team and assist with general meetings, socials, fundraisers, and volunteering events• Secure partnerships with energy industry to facilitate education and networking for members through internal events• Facilitate regular meetings with officer team to collaborate and identify deadlines/goals	
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• Inform students of engineering resources and networking events• Led students in a 3D printing project	

ACTIVITIES

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

Skills: Spotfire, Python, SQL, Chinese (Basic Proficiency)