

GORDON TSAI

Gordon.Tsai@utexas.edu

709 W 22nd Street Apt. #221 • Austin, Texas 78705 • (713) 854-6816

EDUCATION

The University of Texas at Austin	Bachelor of Science, Petroleum Engineering, Engineering Honors	May 2018
	Bachelor of Business Administration, Finance	May 2018
	Bachelor of Science, Mathematics	May 2018
	<i>Overall Undergraduate GPA: 3.651</i>	

EXPERIENCE

ConocoPhillips – Houston, TX; *Reservoir Engineering Intern, Completions Engineering Intern* Summer 2015, 2016

- Contributed to Bakken completions prediction tool using randomForest to predict twelve-month oil production and economics
- Developed a script to calculate single well economics in R and integrated the data function into existing Spotfire projects
- Analyzed economics and successfully approved ~\$12 million in capital expenditure for re-stimulation projects
- Conducted Advanced Production Analysis (ArootK) as a filter for selection of successful re-stimulation candidates
- Built decision analysis spreadsheet utilizing Expected Monetary Value analysis exploring re-stimulation as a lease-saving strategy

TRP Energy – Houston, TX; *Finance/Engineering Intern* Summer 2016

- Calculated purchase price for asset acquisitions bids through LBO modeling of PDP valuations and PUD projections
- Developed a daily decline curve analysis template in Spotfire with functionality to save parameters utilizing IronPython and JS
- Built automatic web-scraping spreadsheet in VBA for oil and gas Chicago Mercantile Exchange future prices

Webber Energy Group – Austin, TX; *Research Assistant* April 2016-Present

- Analyzed economic parameters necessary for disposal/treatment of wastewater using flare gas through DCF analysis
- Scripted decision parameters for ride-sharing in python for the purpose of probabilistic simulation through Monte Carlos

Energy Systems Transformation Group– Austin, TX; *Project Research Assistant* August 2014-May 2015

- Created a script for automatic organization and analysis of raw Bloomberg data on clean energy venture capital investments
- Assisted in interviews with energy experts from private equity, venture capital, government entities, and research institutions
- Contributed to written content for a research paper on barriers to clean energy development and alternative financing structure

Venture Support LLC – Austin, TX; *Intern* January 2015-Present

- Built automated comparables spreadsheets that scrapes financial data from public sites and computes valuation multiples
- Forecasted public company financials four years forward by building three-statement models and discounted cash flow analysis
- Valued private technology companies for follow on investment by researching similar public company comparable metrics
- Maintained basic back-end server operations and managed three contract workers for logo design and website development

Hilcorp Energy Company – Chauvin, LA; *Production Engineering Intern* Summer 2014

- Evaluated daily and historic production data to identify inefficiencies and production loss in the gas-lift valve artificial lift system
- Facilitated field operation communication between over 50 personnel and 10 boats, rigs, coil tubing units, and wireline units
- Surveyed production equipment for potential issues in production loss for over 50 wells and 8 production aggregating facilities
- Observed hydraulic fracturing operations, artificial lift maintenance and installation, well production logging, and drilling

LEADERSHIP EXPERIENCE AND ACTIVITIES

United States National Kung Fu Wushu Team, Gold Medalist, National A Team Member Fall 2012-Present

- Represented the United States at World Kung Fu Competition in Macau, China; Tehran, Iran; Jakarta, Indonesia
- Participated in intensive training regimen with Russian and Chinese national team members in Moscow and Beijing
- Trained over 200 students per year from the ages of 4-50 including state and national Grand Champions

Roden Leadership Program, Vice-Chair Dec. 2014-Dec. 2015

- Organized membership activities including recruitment, socials events, service events, alumni and corporate relations
- Hosted the largest engineering focused case competition on UT campus with over 70 student competitors across four schools

HONORS

Anadarko Petroleum Engineering Scholarship	Fall 2015
University of Texas Presidential Achievement Scholarship	Fall 2014
BP Case Competition – Campus Finalists	Fall 2014
Engineering Honors Scholarship	Fall 2014

ADDITIONAL INFORMATION

Computer Skills: Proficient with R, VBA, Python, Matlab, MS Excel and Powerpoint, Familiar with Harmony, ArcMap, Spotfire, OFM

Languages: Fluent in Mandarin Chinese and English

Interests: Martial Arts, Reading, Traveling, Blogging, Food, Dancing, Investing

Eligible to work in the United States