**VICTOR PENA, M.Sc., MBA, Data Scientist**

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I am a Data Scientist with a background in the energy sector multi-disciplinary data analysis. I am passionate for data-driven decision making and enjoy implementing innovating solutions to business problems. Seeking exciting opportunities to leverage data.

**SKILLS**

* Python, Pandas, Numpy, Matplotlib, SQLite, MySQL, Tableau, Google Analytics, Google Studio 360, Linux/Ubuntu, MATLAB.

**PROJECTS**

* **Portfolio Optimization:** Used **Python** to data mine 6000 NYSE stock prices from the Alpha Vantage **API**. Created a mini relational database using **SQLite**. Manipulated raw data to find 100 days average performance, volatility, betas, correlations and covariances. Normalized and identified the top performers with the lowest coefficient of variance and iterated for portfolio weight optimization.

**EXPERIENCE**

**E-Cleaners Pro HOUSTON, TX HOUSTON, TX**

**Co-Founder (Director)** 2016-Present

* Created an innovating platform that connects clients with high-quality cleaners in the Houston area.
* Reduced operational errors by ~60% and increased revenues by 262% in the last 12 months.
* Established 3 new partnerships and increased daily capacity by 400%.
* I am currently overseeing the company’s operations and marketing strategy.

**British Petroleum (BP) HOUSTON, TX | PORT OF SPAIN, TRINIDAD AND TOBAGO**

**Exploration Geophysicist, (Basin Analysis, Western Hemisphere)** 2013-2015

* Influenced BP’s exploration strategy for the South Atlantic by screening multi-disciplinary datasets at the mega-regional level.
* Managed the offshore seismic database (762 2D Seismic lines and 68 3D seismic cubes) for the South and Central Atlantic.

**Exploration Geophysicist, (Resource Appraisal)** 2012-2013

* Accomplished the progression of 2 prospects (~438 bcf) into development phase with full drilling access evaluation.
* Successfully reevaluated 5 existing prospects using new cutting-edge 3D OBC seismic data.
* Completed seismic attributes for the Columbus basin 3D seismic profile (~5000 miles2) to support structural understanding.

**Challenger Geophysicist, (East Texas Reservoir Management and New Wells Deliver)** 2010-2012

* Delivered integrated subsurface description for the Cotton Valley Sand and Haynesville Shale at the regional level.
* Collaborated with NWD on 15 wells for no drilling surprises, overburden description, and geosteering monitoring.
* Led the evaluation and implementation of 3 cutting-edge technologies for unconventional reservoirs analysis and interpretation.
* Co-led the professional development for 61 subsurface new hires as part the Development Committee Leadership team.

**Attribute Assisted Seismic Processing and Interpretation Consortium (AASPI) NORMAN, OK**

**Research Assistant** 2008-2010

* Developed a complete analysis of shallow volcanic’s effects on seismic data from the north of Mexico by improving imaging below volcanic features, applying seismic attributes, and combining potential fields to characterize igneous bodies.

**Institute for Theoretical Geophysics NORMAN, OK**

**Research Assistant** 2006-2008

* Effectively determined the elastic properties for the Barnett Shale by quantifying ultrasonic measurements.

**Schlumberger HOUSTON, TX | DENVER, CO**

**Geophysics Intern (Reservoir Seismic Services, GeoMechanics DCS, WesternGeco)**  Summer 2007-2008-2009

* Generated a full Geophysical Multi-Attributes **analysis** for the Barnett Shale at the Johnson County, TX. (Summer 2009)
* Fully developed a pore pressure prediction algorithm with multiple subsurface datasets using **MATLAB**. (Summer 2008)
* Evaluated several seismic **processing** deliverables in the marine, land, depth, and velocity departments. (Summer 2007)

**EDUCATION**

**Texas A&M university, Mays Business School** **Houston, TX**

Master of Business Administration (GPA: 3.7) 2016 – 2018

**University of oklahoma, Conoco phillips School of geology and geophysics** **norman, ok**

Master of Science in Geophysics 2008 – 2010

Society of Exploration Geophysics (President) 08-09, 1st Place Poster Contest 2009 AAPG/SEG Student Expo,

Travel Grand Award for the 2009 SEG/Chevron Student Leadership Symposium, SEG Scholarship Award 2008

**University of oklahoma, Conoco phillips School of geology and geophysics norman, ok**

Bachelor of Science in Exploration Geophysics, Minor: Geology 2004 – 2008

Society of Exploration Geophysics (Vise-President) 07-08, Society of Exploration Geophysics (Secretary) 06-07

**ADDITIONAL INFORMATION**

**Languages:** English (Fluent), Spanish (Native), Portuguese (Conversational).

**Interests:** Entrepreneurship, innovation, sustainability, earth science, scuba diving & marine life, global travel (Over 70 countries), endurance sports (13 half marathons | 2 triathlons | 2 Tough Mudder).