

JOHN SMITH

Data Science Professional

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Analytical, collaborative, and creative Data Science Professional with over 13 years of experience leveraging engineering best practices, data science, and ML-driven models to empower exploratory data analysis of over \$4B in complex projects and transactions. Possess a track record of success in improving forecasting accuracy, reducing costs, and maximizing profitability through process and model optimization. Adept at providing technical mentorship to junior engineers through knowledge sharing and driving a collaborative team culture. Equipped with strong communications skills to craft impactful data narratives that inform company decisions around product, business, and finance. Looking for a challenging Inference Data Scientist role within the technology industry.

KEY SKILLS

Data Science | Hypothesis Testing & Validation | ML & AI
Big Data Solutions | Demand Forecasting | Data Management
Econometrics/Statistics | Data Mining | Qualitative & Quantitative Analysis

EDUCATION

Georgia Institute of Technology • **Master of Science in Analytics** • GPA: 4.0/4.0 **2021**
University of Miami • **Bachelor of Science in Chemical Engineering** • Graduated with Distinction **2005**
University of Miami • **Bachelor of Arts in Economics** • GPA: 3.9/4.0 **2005**

PROFESSIONAL EXPERIENCE

Company A • Miami, FL

Senior Development Engineer

Jul 2015 – Present

Company A is a Canadian integrated oil and natural gas company with over 2K employees and \$9.9B in revenue.

Responsible for leading all aspects of energy project development, including business case creation, accurate forecasting, and process optimization to create and design the most efficient and profitable business opportunities. Report to Manager of Development and oversee 2 direct reports.

- Oversee project development efforts; maintain a strong engagement with key stakeholders to understand business needs and priorities; identify opportunities for project development; collaborate with interdisciplinary teams of 20+ professionals to complete required deliverables; delivered projects with over \$1B combined capital within timeline and budget constraints
- Led a data science project; leveraged R and Python to perform statistical analysis, develop data visualization, and generate data-informed insights; communicated data stories to management to influence decision-making; utilized machine-learning algorithms to implement a data-based forecasting approach to business case development; increased forecasting accuracy by 18%
- Direct the development and implementation of innovative solutions to low energy prices; evaluate key business metrics and optimize the design and scope of existing infrastructures to reduce cost and maximize profitability; resulted in \$12M cost savings while significantly reducing the future environmental footprint
- Determined process optimization opportunities; tasked to analyze existing workflows and algorithms and interpret data sets to identify areas for improvement; developed a geospatial evaluation model in MATLAB for estimating business results and profitability, eliminating the need for complex numerical simulator; reduced evaluation time by 80% and increased accuracy by 25%

Company B • Miami, FL

Development Engineer

Nov 2008 – Nov 2013

Company B is a Canadian energy company with a focused strategy on the development of thermal and light oil assets and has a \$66M operating income.

Responsible for spearheading the analysis, predictive modeling and forecasting, and business case creation to support the technical development of energy projects. Reported to Vice-President Subsurface and supervised a direct report.

- Created business cases to support growth objectives; administered business impact assessment and revenue and costs forecast to define the projects' profitability and value; aided in the development of presentation materials that went into the data room; resulted in a \$3.81B international joint-venture

- Developed project and production forecasts for the prospectus ATH's \$CAD 1.35B initial public offering on the Toronto Stock Exchange (TSX); established the basis for the business case that was filed with the TSX, as well as the listing price and sales case to investors
- Supported and evolved the advanced analytics and data management roadmap; leveraged industry research, best practices, statistics, and advanced Microsoft Excel/VBA models to facilitate economic analysis and predictive forecasting; established the frameworks for the IPO and JV agreement

VOLUNTARY EXPERIENCE

Organization A • Miami, FL

Board Member

May 2017 – Present

Responsible for managing the chapter website and riparian restoration projects and delivering associated government grants to support the organization's mission of protecting Canada's freshwater ecosystems and their coldwater resources for current and future generations.

Organization B • Miami, FL

Youth Mentor

Aug 2016 – Jun 2017

Responsible for mentoring at-risk youth to help them find their way through challenging life circumstances and sometimes poor choices that can hold them back from reaching their full potential.

PROFESSIONAL CERTIFICATIONS

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| IBM/Coursera • IBM Professional Data Science | 2020 |
| Stanford University/Coursera • Machine Learning | 2019 |
| Project Management Institute • Project Management Professional | 2018 |
| John Hopkins University/Coursera • R Programming | 2015 |

PROFESSIONAL MEMBERSHIP

Association of Professional Engineers and Geoscientists • Professional Engineer

Mar 2004 – Present

TECHNICAL SKILLS

Microsoft Excel, Microsoft Access, Microsoft Word, Scripting Languages (MS SQL, R, Python), Power BI, APIs (CRM, Marketo, Google Analytics), Scikit-learn, Pandas, NumPy, TensorFlow, PyTorch, Keras, MATLAB, VBA