Melissa McMillan

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I am the Creator of The Conscious Career Path and my mission is to help professionals align their careers with their values and desires to make the world a better place, ultimately helping to usher in the Wisdom Economy.

Project Management and Leadership

PMI Mile Hi Women Connect Leadership Team Member	January 2024 - Present
Data Science Alumni Mentor with General Assembly	September 2022 - Present
Project Management Professional (PMP) Certification: License #1956892	October 2016 - Present
Lean Six Sigma Yellow Belt Certification	December 2018 - Present
EnergyTechHub Board Member	November 2019 - Present

Professional Experience

Creator
The Conscious Career Path   July 2024 - Present
- TCCP is a career services project that teaches increased awareness in body, mind, heart and soul and guides individuals toward work-life integration

Vice President   April 2023 - Present
Institute for Life & Care, An Education Not-for-Profit Organization   Denver, CO
- Head of business development and strategic vision to bring educational products to new market, develop new corporate sponsors, association alliances, and education partners
- Marketing and Content Strategist
- Developing skills in Logo-Narrative to become a teacher of THRIVING FROM WITHIN® program

Owner   October 2022 - Present
Liquid Gold Analytics, LLC   Denver, CO
- Teaching Associate at General Assembly for 10-week Python Programming course in Summer of 2023

Director, Customer Success Analyst/Energy Analyst Team & Process Integration   July 2021 - October 2022
cQuant.io, Energy Analytics B2B SaaS Platform   Remote/Louisville, CO
- Led a team of junior Data Analysts who provided front-line client support for software implementation/adoption tasks
- Developed an onboarding process for the new hires on my team that was then leveraged on a neighboring team
- Developed, introduced, and mentored Energy Analysts through a Project Management Best-Practices Process that helped them level up their technical contribution to better deliver company product to clients
- Developed a company-first custom PowerBI dashboard for full-scale Risk Analysis of a client's portfolio
- Established an end-to-end ticketing process through utilization of Zendesk, allowing for customer analytics
- Designed and implemented a company-first Customer Analytics Process and PowerBI dashboard using the Zendesk API that provided weekly reports on client interactions and analyst support using appropriately identified KPI's
- Used R to debug and improve model code, wrangle client data, and understand model results
- Trained clients on statistical models, such as spot price simulation models, battery and power plant dispatch optimization models, and summary aggregation models
- Optimized implementation process for new clients through utilization of project management techniques, reducing project timeline and increasing client satisfaction
- Identified opportunities to increase product revenue through understanding client use-cases
- Collaborated with Software/Application Development, Analytics, Sales/Marketing, and Quantitative Development Teams to deliver strategic project initiatives
- Developed a company-first Resource Allocation Process that enabled distribution of appropriate people resources to client projects based on volume and timing of sales pipeline

Data Science Immersive Student   December 2020 - March 2021
General Assembly   Denver, CO
- Retooled myself to transition to the field of Data Science
- Followed machine learning curriculum and built supervised and unsupervised machine learning models
- Worked on a team of four other data scientists on a project to diagnose COVID-19 lung infection in x-rays
- Was challenged to create five projects using various machine learning models in a time-limited manner

Eagle Ford Shale Play Asset Geophysicist   March 2019 - October 2020
BP/BPX Energy   Denver, CO
- Technical Contributor responsible for providing data-driven insight to reduce well deliverability risk for a 4-6 rig drilling program
- Assisted Asset VP in Process Improvement efforts for Eagle Ford BU to optimize team efficiency and Capital Planning Process, reducing software touch points and man-hours
- Advised multi-disciplinary team of geologists and engineers on the benefits and appropriate uses of 2D/3D seismic datasets for optimizing hydrocarbon production
- Led and executed an Induced Seismicity Monitoring Program in Karnes County, TX on time and 75% under budget
- Facilitated completion and organization of newly acquired 3D seismic data worth ~$15million+

Project Coordinator   February 2017 - March 2019
ESG/Spectraseis   Denver, CO
- Project Coordinator/Manager responsible for delivering 30+ awarded Passive/Induced Seismicity projects, ranging from $10k-100k in value, following the company's Project Management Processes
- Executed on company's Project Management Process, based on the official PM Body of Knowledge (PMBOK)
- Responsible for project planning and execution, coordinating operational logistics, maintaining team connections, meeting technical and contractual obligations, risk mitigation, process integration and improvement, and client communication
- Integrated newly acquired business and service offering, Spectraseis, into parent company's (ESG) process
- Developed and adapted ESG's Project Management Process to fit Spectraseis' Seismicity service offering, increasing efficiency and profitability during BU integration

Geophysicist/ Geoscientist   August 2012 - March 2016
BP America, Inc   Houston, TX
- Geoscientist/Geophysicist for the Deepwater Gulf of Mexico, Wyoming, Anadarko, and Arkoma BU's responsible for mapping the subsurface on both 2D/3D seismic data to assist teams in optimizing hydrocarbon production
- Led the successful acquisition and delivery of a new 3D seismic dataset worth ~$20million to the Anadarko BU
- Led the Deepwater Gulf of Mexico team to drill a $130million exploration well with operational partner Exxon
- Delivered Technical Seismic Fitness and Futures Report/Presentation with recommendations for past and future dataset potential for the Wyoming asset that provided foundation for identification of additional plays in the mature/legacy asset
- Led a team to conduct technical analysis and provide recommendation to management against participation in a competitor's $200 million exploration well, successfully avoiding a (very expensive) dry hole
- Recommended for the Leadership Development Program in 2013; completed the Courageous Conversations and Effective Planning Courses as part of this program

Technical Skills

Skills: End-to-End Data Process: Wrangling/Cleaning, Modeling/Analysis, Reporting/Visualization, and Communication
Languages / Software: Python, SQL, R, PowerBI, Excel, Microsoft Office Suite, Zendesk, Slack

Data Science Projects

Forecasting Induced Seismicity in the Eagle Ford Shale Play
- Utilized the USGS and TexNet Seismicity Catalogs to understand earthquake occurrence and driving mechanisms
- Used RNN, ARIMA, and SARIMA models to forecast seismicity occurrence
- Found preliminary correlation between hydraulic fracture injection volume per foot lateral to induced seismicity
Trained Convolutional Neural Network (CNN) to Diagnose Presentation of COVID-19 and Viral Pneumonia in X-Rays
- Collaborated with three other data scientists to develop highly predictive model
- Utilized Kaggle Dataset of X-Ray images to train Keras CNN model
- CNN Model test accuracy: 95%, Recall score of 95%
- Created an end-user interface to interact with the trained model using Flask
Natural Language Processing Binary Classification for Game of Thrones vs Lord of the Rings Subreddits
- Used PushShift API to scrape r/GoT, r/LOTR subreddit posts
- Used Naïve Bayes and Random Forest models to create a Natural Language Processing Model
- RandomForest was the best model achieving 93% accuracy, 91% sensitivity using TF-IDF Vectorizer
- Visualized model statistics comparing TF-IDF vectorizer against CountVectorizor

Education

Data Science Immersive Advanced Certificate | General Assembly   Grad year: 2021
Master of Science in Geoscience | The University of Arizona   Grad year: 2012
Bachelor of Science in Geoscience, Minor in Mathematics | The University of Arizona   Grad year: 2010