Phillip M. Jones

(580) 475-5480\_\_\_\_­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_[Portfolio Website](https://phillipjones405.github.io/portfolio/carousel/index.html)\_\_\_\_\_\_\_ \_ [Phil405@gmail.com](mailto:Phil405@gmail.com)

**Education**

Western Governors University (11/2023 – Present)

Degree: Master of Business Administration in IT Management

Western Governors University (1/2022 – 2/2023)

Degree Awarded: Master of Science in Data Analytics

University of North Dakota (1/2016 – 12/2019)

Degree Awarded: Bachelor of Science Interdisciplinary Science

**Work Experience**

Department Of Labor - OFCCP (8/2023 – Present)

Oklahoma City, Oklahoma

Data Scientist

Goals & Accomplishments:

* Stand up a new Data Science Branch, Branch of Validation and Analytics, in the Office of Federal Contracts and Compliance Program
* Develop tools in Python and R Shiny to replace legacy Microsoft Excel based workflows
* Conduct statistical tests along with compliance officers to determine patterns of discrimination

American Fidelity Corporation (8/2022 – Present)

Oklahoma City, Oklahoma

Data Scientist

Goals & Accomplishments:

* Utilized SAS and DataRobot to deliver ‘red flag’ predictive model to proactively investigate potentially fraudulent claims
* Deployed GPT-3.5 based LLM that serves as both an internal chatbot and a personal assistant that accomplishes a variety of tasks
* Utilized Django, python, Vue.JS to develop applications and web apps to enhance automation reducing task times by 10x
* Utilized XGBoost Classifier to predict underfunding in an imbalanced classification problem for lead generation
* Utilized machine learning to assist in entity resolution in a set of 800,000 tax records
* Used Box-Jenkins method among others to fit production forecasts for the purpose of staff modelling. Led to indications of under and over staffing, allowing existing staff to be repurposed
* Built and deployed custom customer and internal facing Chatbots utilizing ChatGPT and GPT-4 LLMs
* Continually update deployed models as new data is made available via automated pipelines
* Construct data ingestion pipelines to serve in ticketing automation and dashboard for Dallas Wings and Panther City LAX
* Built and maintained PowerBI dashboards for a variety of projects
* Constructed and maintained pipeline for a ‘public data lake’ which serves as a curated data source for a variety of clients across industries such as sports, real estate, banking, and insurance

Chesapeake Energy (11/2014 – 8/2022)

Oklahoma City, Oklahoma

Scientist II

Goals & Accomplishments:

* Developed artificial neural networks (Self-organizing maps and multi-layer perceptron) for prediction of geologic facies from wireline data
* Developed Random Forest regression algorithm for predicting clay species from wireline data
* Utilized principal component analysis and k-means clustering for development of chemofacies detection utilizing well logs and x-ray fluorescence
* Develop software applications utilizing LabVIEW and Python
* Built and maintained Spotfire visualizations and dashboards for relative permeability, adsorption, and capillary pressure measurements
* Impact business decisions by designing analytical programs to address challenging reservoir problems

**Professional Details**

* Experience leveraging cloud technology such as Azure, AWS, DataBricks, DevOps/Git
* Experience programming in Python, SQL, SAS, C++, Snowflake, Spark, Java, javascript, R
* Utilization of Keras, Tensorflow, Pandas, Numpy etc. for regression, classification, and image detection problems
* Experienced in data visualization using Tableau, PowerBI, Spotfire, Python, Excel
* Proven in coming up with new ideas and driving them to becoming new value producers
* Proven in organizing and managing projects that span multiple departments and business units

Proven senior scientist/individual contributor that is adept at mentoring and inspiring others