PAUL HUGGINS, M.S.

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DATA ENGINEER => DATA SCIENTIST => PROVEN LEADER

Driven by vision and purpose to transform data into tangible business value.

TRACK RECORD OF PROJECT LEADERSHIP

❑ **Executing Data Project Milestones:** Adept at taking large technical projects and breaking them down into manageable pieces, supplying functional specifications, and then delivering in a successful and timely manner.

❑ **Driving Data-Centric Solutions:** Key data practitioner tasked with supporting development and implementation for cloud-based corporate analytics, engineering, and machine learning projects.

TECHNICAL SKILLS

Python • SQL • R • DAX • Power BI • Azure • Databricks • PowerShell (Basic)

VALUE ADDED

❑ Optimistic & Mission-Driven	❑ Communicating Outcomes	❑ Adaptability
❑ Project Scope & Schedule	❑ Technical Project Execution	❑ Machine Learning
❑ Visual & Analytical Tools	❑ Data Science & Analysis	❑ Data Engineering

ACADEMIC LEADERSHIP & EDUCATION

MASTER OF SCIENCE (M.S.) IN DATA SCIENCE & MACHINE LEARNING, Southern Methodist University (*2021*)

TEACHING ASSISTANT – DATA SCIENCE STATISTICAL FOUNDATIONS, Southern Methodist University (*2020*)

MASTER OF SCIENCE (M.S.) IN EARTH & ENVIRONMENTAL SCIENCES, University of Texas at Arlington (*2015*)

BACHELOR OF SCIENCE (B.S.) IN GEOLOGY, University of Arkansas (*2014*)

Recognized as the **Outstanding Graduate** in SMU MSDS graduating cohort based on contributions to the program, academic standing and a vote amongst faculty and peers.

PROFESSIONAL EXPERIENCE

CONSULTANT   10/2020 to Present
ARTIS CONSULTING

Full time consultant responsible for working directly with multiple clients simultaneously to develop data science, data engineering, & analytics solutions. Manage multiple high priority projects and coordinate with internal project managers, client representatives, and external executives alike. Work closely with subject matter experts. Create and lead client trainings.

KEY CONTRIBUTIONS:

❑ Developed and supported an end-to-end solution for a large manufacturer that utilized DevOps flexibility and key Azure components.

   o Data Factory for ingestion and transformation of data using parameterized pipelines tied to Databricks notebooks and Blob Storage.

   o Databricks for clustered computing, scalability, and integration. Executed Python, SQL, and PySpark notebooks to populate a Bronze-Silver-Gold structured Data Lake that utilized transformations, data cleaning, and key generation for star schema dimensional modeling.

   o Served up datasets and computing environments to data scientists that both increased productivity and sped up development lifecycle for their projects.

- o Full service Power BI report building, compliance, and access management for thousands of users.
- o Created Power Automate flow that utilized metadata mapping tied to SharePoint lists to systematically move files from source systems and into Microsoft Teams folders on a schedule.

❑ Implemented a PoC to production solution that uses OCR (Optical Character Recognition) to extract data from both structured and unstructured files and then write the data to a SQL database. Utilized Azure functions, Power Apps, Logic Apps, and Form Recognizer.

❑ Created python scripts that track both column and table lineage throughout a Data Lake by parsing the underlying SQL scripts stored in blob storage. Used to enable clients to monitor what and how data was being used across the lake and into reporting. Scripts utilized multiple functions along with list comprehension, directory scans and complex regex patterns.

❑ Wrote and assisted with multiple PowerShell scripts that enabled clients to track user activity across their Power BI tenant. One of which resulted in an Audit Log database that called API's to extract activity and populate a SQL database used for reporting.

❑ Contributed in business development meetings with potential clients as technical lead. Developed level of effort estimations and Azure cost estimates for both data science and analytical solutions.

❑ Helped develop a workshop centered around Azure Machine Learning and Microsoft Consumer Insights and then assisted in the delivery of the workshops to multiple clients.

❑ Developed and led client training sessions on Azure Machine Learning, Power BI, and Azure Analysis Services for best practices and development techniques. Trainings ranged from 2 to 7 days in length and were attended by both technical and non-technical clients.

❑ Worked closely with and developed multiple Power BI dashboards for a Fortune 50 client in the CPG industry that is using the reports globally.
- o Project involved working with client representatives in Turkey, Britain, India and the United States to develop global health and safety standards dashboards to track compliance.

❑ Completed PoC (Proof of Concept) projects to determine viability and technical lift required for a full-scale solution.

❑ Assist with interviewing, recruiting efforts, and technology specific videos for the marketing team to publish on social media platforms. Co-led a Data Science Special Interest Group (SIG) that highlighted current projects and technologies on a monthly basis.

SENIOR ANALYST   7/2019 to 10/2020
R2Q OPERATING, LLC

Oversee and direct all aspects of corporate production and analytics end-to-end both independently and as a vital team member, including processes such as executive team reporting, production analytics, asset optimization, market trend analysis, and data quality control.

KEY CONTRIBUTIONS:

❑ Guide multidisciplinary teams for myriad, concurrent dataset and modeling projects by facilitating communication, evaluating market analysis throughout various stages, and ensuring high-quality deliverables are completed on target.

❑ Optimize high-volume workflows and reporting procedures as a key contributor to developing and implementing cutting-edge cloud-based visuals using software such as Power BI, DAX, and R.

❑ Manage project scope, timelines, budgets, and program profitability together with core project teams.

❑ Display a strong collaborative mindset, proven leadership skills, and a demonstrated ability to hold influence in a matrix environment despite stressors and technical challenges.

❑ Communicate effectively at all levels across the organization, adeptly navigating difficult conversations with senior stakeholders, internal team members, and senior management.

❑ Began development on prototype for proprietary oil and gas production software with an end goal of taking to market.

GEOLOGIST   1/2018 to 2/2019
MAI OIL OPERATIONS, LLC

Selected to orchestrate data analysis methods and 3D survey procedures for project-specific treatments, with a strong emphasis on development plan efficiencies, business strategies, and precise pipeline progress reporting.

KEY CONTRIBUTIONS:

- Revitalized stagnant asset optimization procedures and best practices by collaborating with senior management such as the Owner and Vice President to evaluate acquisitions and build 3D models.
- Delivered optimal development plans that ensured projects were delivered on time within scope and budget through strong engagement, tracking, and holding team members accountable according to deadlines.
- Prepared and submitted all details required to ensure evaluate company prospects, streamline project schedules, and evaluate acquisition opportunities on public websites, which resulted in secured assets.
- Designed and implemented multiple projects using direct links and manual importing while performing due diligence responsibilities for regulatory filings.
- Provided expertise in data set management software to advise engineering, onsite, and senior management teams on ideal operational processes.

GEOLOGIST & ANALYST   10/2015 to 1/2018
GEOPETRA PARTNERS, LLC

Tasked with improving the precision and efficiency of the company's financial and operational activities – with a particular focus on identifying pay zones and executing cost-effective operations for multi-million dollar projects.

KEY CONTRIBUTIONS:

- Developed and administered ongoing analytical project scoping plans across multiple data platforms using a wide variety of instruments, which successfully predicted multiple key assets across South Texas.
- Assisted in executing two large-scale, complex projects with a combined estimated value of $4,790M by generating net pay and structure maps, creating budgeting strategies for project stages and prospects, and using data gathered from similar projects to conduct market research alongside engineers.
- Managed daily cashflow and financial forecasting while tracking productivity, revenue, and expenses for multiple, concurrent projects.
- Slashed operating expenses 40% as a key partner collaborating with the company Owner and Managing Partner.

CERTIFICATIONS

MICROSOFT: DATA SCIENTIST ASSOCIATE, Issued December 2021 – Expires December 2022
MICROSOFT: DATA ANALYST ASSOCIATE, Issued October 2020 – Expires October 2022
MICROSOFT: AZURE AI FUNDAMENTALS, Issued November, 2020 – No Expiration
MICROSOFT: AZURE FUNDAMENTALS, Issued December, 2020 – No Expiration