

ALEC R. PETERS

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EDUCATION

University of Wisconsin-Madison, Wisconsin School of Business, Madison, WI <i>Master of Science in Business Analytics (Cumulative GPA: 4.0/4.0)</i>	2020 - 2021
• Key Coursework: Database Management, Analytics Consulting, Machine Learning, Data Visualization, Project Management	
University of Wisconsin-Madison, Madison, WI <i>Bachelor of Science, Major in Statistics, Minor in Entrepreneurship (Cumulative GPA: 3.33/4.0)</i>	2016 - 2020

PROFESSIONAL EXPERIENCE

Analytics8, Madison WI	05/21 - Present
<i>Senior Data Management Consultant - (05/25 – Present)</i>	
• Managed a client's dbt Mesh environment that consisted of 19 projects, 4,000 models, and 1,788 sources; All orchestration was done within dbt Cloud, terraform was used for infrastructure and GitHub was used for version control.	
• Spearheaded the establishment of mesh-wide data governance in a client's dbt Mesh environment by developing a central dbt project for reusable macros, documentation, and mandatory CI testing, resulting in improved data quality and standardization across the organization.	
• Engineered dbt observability tools, including a Datadog dashboard with real-time monitors and alerts to proactively track job failures, as well as a Looker dashboard to analyze dbt-related BigQuery consumption, providing granular cost visibility that enabled the client to identify and refactor inefficient areas of their data mesh, leading to optimized cloud spending.	
• Served as one of the primary technical advisors and strategic thought leaders in Analytics8's dbt practice, assisting in dbt presales activities and documenting artifacts from successful dbt engagements to establish our internal dbt best practices.	
<i>Staff Data Management Consultant - (05/22 – 05/25)</i>	
• Utilized data stack that consisted of ingesting raw data from Google Cloud Storage to BigQuery, transforming data using dbt Core, and analyzing data using Looker; Dagster was used for orchestration and GitHub was used for version control.	
• Assisted a client in migrating their monolithic dbt project that included 2,000 models and 700 sources, to a multi-repo dbt Mesh environment, while also maintaining their legacy environment which was still operational	
• Served as Engagement Lead responsible for technical delivery, communicating status reports and project risks to client, and leading major project milestones (account planning, kickoff, closeout, retrospective).	
• Trained clients and consultants on how to install and effectively utilize dbt Core, enhancing team efficiency and competence.	
<i>Associate Data Management Consultant - (05/21 – 05/22)</i>	
• Worked with a healthcare client (different than above) to stand up data stack which consisted of ingesting raw data from AWS to Snowflake and using dbt Core to transform the data with Azure DevOps Pipelines used for orchestration.	
• Modeled healthcare and insurance data in dbt Core using a three-tiered architecture approach with staging, intermediate, and mart layers focused on modularity, scalability, and DRY coding principles.	
• Created an internal dbt Cloud training where people learned to develop a dbt project from scratch and model raw data in an effort to equip consultants at Analytics8 with the knowledge they needed to be successful in dbt engagements.	

Fairbanks Morse, Beloit, WI (Remote)	01/21 - 05/21
<i>Student Consultant</i>	
• Worked with Fairbanks Morse part-time (10 hours a week) as a part of an Analytics Consulting Practicum class with an end goal of harmonizing prices for each SKU and determining how this price alignment would impact demand and bottom line.	
• Used descriptive analytics to determine and test different strategies to harmonize prices; ultimately found a harmonization strategy that was predicted to bring in an additional \$1,500,000 in revenue.	
• Created a machine learning model that could effectively predict demand for most products and identify factors that are important to demand; model was used to understand how harmonized price recommendations would affect the quantity ordered and will continue to be used by Fairbanks Morse.	

TECHNICAL SKILLS

• Programming Languages (SQL, Python, JavaScript, R), Database/Data Warehouse Technologies (Snowflake, BigQuery, Postgres, DuckDB), Cloud Platforms (GCP, AWS), Data Visualization Tools (Tableau, Looker, Sigma), Transformation Tools (dbt Core, dbt Cloud), Orchestration Tools (Dagster, Airflow, Azure DevOps Pipelines), Version Control (GitHub), Infrastructure as Code (Terraform), CI/CD (GitHub Actions), Observability Tools (Datadog), Project Management Software (ClickUp, Jira, Linear)
• Analytics Engineering, Data Engineering, Data Visualization, Data Governance, Data Modeling, Agile Project Management

INTERESTS

• The Milwaukee Bucks, 60s & Early 70s Rock, Thrift Shopping, Playing Guitar/Making Music, Indoor Waterparks, Coffee, Trivia
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