

Michael David Johnson

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Summary

Experienced data scientist skilled in software engineering and predictive analytics, focused on developing scalable machine learning applications that deliver measurable business value.

Education

Master's degree in Statistics, *Texas A&M University (2017)*

Master's degree in Economics, *The George Washington University (2013)*

Bachelor's degree in Literature, *University of California, Santa Cruz (2004)*

Experience

Senior Data Engineer, *Aviana Global Consulting (Remote: Feb 2019-Sep 2020)*

- Deployed churn modeling solutions for vision care company VSP Global.
- Extracted NLP data from Google Trends to enhance iHeart Media's MusicLab.
- Wrote shareable Python applications to support vendor audits at Renew International.
- Designed customer segmentation models for targeted marketing communications.
- Collaborated with SMEs to define meaningful business metrics to optimize.
- Improved ETL pipelines using Spark and Databricks notebook computing environments.
- Created graphical user interfaces for custom analytics software products.
- Helped junior developers produce value in each stage of the ML lifecycle.

Lead Data Scientist, *MINDBODY Software (Remote: Apr 2018-Jan 2019)*

- Improved company analytics in collaboration with IT and product development teams.
- Architected ETL pipelines to run complex SQL against enterprise data warehouses.
- Queried 17TB data warehouse to construct pristine analytical datasets.
- Deployed batch scoring models and pushed model scores to Salesforce via API.
- Tracked training and testing of machine learning models with MLflow.
- Implemented rapid prototyping and agile methods of business analysis.
- Managed simultaneous modeling projects with Azure DevOps.

Data Scientist, *Hanover Research Council (Remote: Jul 2013-Mar 2018)*

- Analyzed large semi-structured datasets for a variety of industry use cases.
- Created analytical dashboards and interactive reports using Tableau and PowerBI.
- Helped the company transition digital assets to distributed cloud storage.
- Served as consultant and technical advisor for research project managers.
- Developed and deployed production code using GitHub and Jenkins.
- Trained and tested predictive models using Python and R.

Research Analyst, *US Treasury Department (Washington, DC: May 2011-Dec 2012)*

- Extracted financial time series and monitored international capital markets.
- Monitored international financial markets using Bloomberg Terminal.
- Conducted economic research on interest rates and foreign exchange.
- Drafted memos in Word; visualized data in Excel; made slides in PowerPoint.

Certifications

GCP - Professional Data Engineer (2020)

AWS - Big Data Specialist (2019)

Azure - Data Scientist Associate (2018)

Memberships

PyData (2019)

American Statistical Association (2015)

Links

<https://github.com/mdjhnsn>

<https://mdjhnsn.github.io/>

<https://www.linkedin.com/in/data-arts-data-science/>

References

Alan Cordell, Sr Director, Data Science & Enterprise Analytics (alan.cordell@vspglobal.com)

John Davi, Chief Product Officer, BriteCore (johndavi@britecore.com)

Paul Patterson, Sr Director, Data Science Practice (paulp@avianaglobal.com)