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Brenden Brusberg

Data Science Specialist

Summary

I concentrate on the crossroads of data science and software engineering, coordinating the development of Firmwide systems across multidisciplinary teams. With expertise in leading AI strategy efforts, cloud migrations, and pioneering emerging technology, I strive to leverage organizational data to inform strategic decisions that align leaders with their people to create a safer and more productive environment.

Work Experience

Data Science Specialist, McKinsey & Company, *NYC, NY* Dec 2023 – Current

- Established a taxonomy of skills for use in recruitment, staffing, and analytics by constructing a knowledge graph to be leveraged by downstream services and teams.
- Led our team to be the first users of GenAI for people analytics and integrating ML as a platform for flywheel adoption.
- Guided junior colleagues in turning innovative data science ideas into practical insights with responsible use of AI.
- Democratized NLP usage across the organization with custom language models and retrieval-augmented generation (RAG) to enable leadership to make informed decisions.

Senior Data Scientist, McKinsey & Company, *NYC, NY* Dec 2021 – Dec 2023

- Designed topic modeling methods for millions of complex text documents over various data sources annually, including a weekly pulse to capture emerging topics and issues across the Firm.
- Enabled faster cross-team development with CI/CD pipelines in GitHub Actions and AWS CloudFormation, mitigating risk across our data and deployment layers.
- Led team deep-dives to implement new packages and papers, helped design the interview process, conducted interviews, and mentored two junior colleagues receiving promotions within a year of joining.

Data Scientist, McKinsey & Company, *NYC, NY* May 2019 – Dec 2021

- Developed production-grade ML analytic pipelines in Kedro that outperformed vendor model, saving the Firm over a million dollars annually.
- Transitioned our team's models to scalable AWS infrastructure, scaling to meet demand over 1.2 million times annually without error.
- Increased explainability of highly sensitive model inferences across the people space to improve decision making impact.

Education

Master of Science, Machine Learning, Stevens Institute of Technology, *Hoboken, NJ* Dec 2021
GPA – 3.97

- Degree with a focus on advanced methods for ML, statistics, and analytics.

Bachelor of Science, Computer Science, Stevens Institute of Technology, *Hoboken, NJ* May 2021
GPA – 3.82, **Mathematics Minor, Literature Minor**

- **Honors**: Dean's List, Presidential Scholarship, Accelerated Masters Program

Software/Tools: AWS Services & SAM, Github Copilot, Kedro, Jupyter, FastAPI, Docker, OpenGL
Languages: Python, C++, C, CUDA, Rust
Acheivements: Eagle Scout, Order of the Arrow