Michael D'Arcy

267-614-7869 | Address available upon request
michaeljdarcy1337@gmail.com | github.com/mjd-programming

Professional Summary

Highly passionate Data Scientist with over 3 years of professional and experience in leveraging advanced analytics tools and techniques to drive actions. Proficient in SQL, Python, R, and Tableau, with a proven track record of automating data processes, optimizing queries, and developing impactful dashboards. Adept at solving complex problems and delivering measurable results in fast-paced environments.

AI Consultant

DataAnnotation
December 2024– Present

- Evaluate AI generated code by providing feedback on algorithmic logic, data manipulation, and problem-solving accuracy to improve performance and reduce hallucinations
- Refine processes by assessing the reasoning of AI generated solutions for real-world programming challenges
- Review general Python and SQL code, and NumPy, Pandas, and Matplotlib prompts pertaining to analysis

Healthcare Analyst

Independence Blue Cross; Philadelphia, PA
April 2022 – May 2024

- Developed and maintained nine advanced Tableau dashboards to support member level and company level marketing, product, and sales departments
- Automated data ingestion processes using R scripts, enhancing efficiency and overcoming external size constraints
- Integrated geolocation capabilities into SQL queries using R, enabling sophisticated location-based analytics
- Migrated 55+ SQL queries from Teradata to Google Cloud Platform (GCP) databases
- Transitioned 65+ SQL queries from Highmark to NextGen EHR software
- Completed over 380 ad hoc reporting requests, demonstrating strong problem-solving skills

Software Engineer

Temple University; Philadelphia, PA
May 2021 – January 2022

- Developed Javascript application to digitize DNA sequences from Unicode data
- Collaborated with interdisciplinary teams of biologists and literature experts
- Provided bi-weekly progress reports on development and integration efforts and results

Bachelor of Science, Computer Science

Temple University; Philadelphia, PA
January 2019 – December 2021

- Specialized in Data Science and Mathematics through focused coursework
- Completed extensive projects and research in AI and Machine Learning

TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL, Java, JavaScript, C
- **Cloud Platforms:** Google Cloud Platform (GCP), AWS
- **Additional Tools:** Tableau, Git, Teradata, OpenCV, PyGame, IBM Watson Analytics