

## Michael D'Arcy

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### Professional Summary

Highly passionate Data Scientist with over 3 years of professional and academic 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.

### Contributor

*Outlier AI*

*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