

Matthew Sherman

University of Maryland Class of 2022

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B.S. in Computer Science with a focus in Data Science, Minor in Geographic Information Science

Skills:

Programming Languages

- Experience in Python, R, Java, SQL, Power BI DAX, Regex, C, Ruby, OCaml, MatLab, MIPS

Software and Project Experience

- Work in Power BI, Snowflake, DevOps, Azure Databricks, Microsoft SQL Server, MSMDs, RStudio, Microsoft Office Applications, Git, Wombat, ArcGIS, Geomatica Focus
- Experience in root cause analysis; interpreting data from multiple different sources; using data to show a theme or tell a story; building visualizations and dashboards for reports; using the data process such as data scraping, data retrieving, data collection, data parsing, data cleaning, data preparation, data processing, and data visualization using ggplot2, seaborn, and matplotlib

Non-technical Experience/Skills

- Communicating complex information understandably; good time management; strong verbal and written communication skills; well-organized; multi-tasking; working in teams and working with limited supervision

Work Experience:

Data Analyst at PPG Industries (2023 - present)

- Assisted in the transference of data visualization from an outdated system to Power BI
- Created Power BI reports to be used by global supply chain managers
- Debugged and wrote DAX code
- Traced data throughout a data lake in order to detect issues at their root
- Utilized Databricks and Snowflake
- Worked in tandem with other data analysts, scientists, and engineers

Data Science Internship at PPG Industries (2022)

- Managed data warehouses
- Assisted in the migration of data from an on-premise source to a Microsoft Azure cloud solution
- Demonstrated the ability to multi-task by working with several teams simultaneously
- Created graphics detailing the actions necessary for condensing multiple data tables into one
- Identified the root cause of erroneous data and implemented corrective actions
- Experience with many different Microsoft Azure services
- Wrote and executed numerous SQL queries to extract data
- Presented work to the IT leadership team including the CIO

Cyber Security Internship at PPG Industries (2021)

- Analyzed companywide security data in programs such as Wombat and RStudio
- Created charts and graphics showcasing new ways to analyze vital security information
- Helped in reworking company security reports
- Designed and launched phishing campaigns as part of companywide testing
- Presented to other interns on phishing safety and security risks
- Presented security analysis to the IT leadership team including the CIO