

Christopher Brenton

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SUMMARY

Engineering and computer science professional with 6+ years of experience over multiple industries leading innovation and leveraging data to solve complex problems. Recognized for tenacity driving transformative BI strategies with stakeholders, identifying continuous improvement opportunities, facilitating team upskilling, and fostering a data-driven culture.

EXPERIENCE

Business Data Analyst

Oct 2023 – Present

DHL Supply Chain

Livonia, MI

- Established a client success KPI dashboard by defining a project strategy, leveraging Python for initial analysis, designing a data model, and producing a Power BI dashboard driving escalation resolve times under 90 minutes through greater team oversight.
- Led the expedited overhaul of several critical SQL pipelines with direct financial impact by managing communication with client leadership, coordinating logic revision tasks for our analytics team, and promptly validating results with client approval.
- Engineered a novel Power BI solution for visualizing tailored DHL region boundaries by utilizing GIS software to build custom GeoJSON files from public data which expanded our operation team's ability to better identify trends and propose cost savings.
- Supported successful contract negotiations by evaluating core needs, redesigning legacy KPI dashboards with advanced analytics tools, optimizing the scalability of data models containing millions of records, and applying dynamic DAX logic for deeper insights.
- Improved the efficiency of a transportation rate identification dashboard by reducing the response time by 98.8% through modifications to data type utilization while also increasing lane rate prediction capabilities through additional user functionality.
- Developed a custom pipeline solution orchestrated in Azure Data Factory by utilizing SQL stored procedures for data cleaning and archiving which resulted in a convenient way for the client to ingest specific records into DHL databases through email.
- Mentored aspiring DHL data analysts with best practices for SQL, Power BI, and Python to foster growth and product robustness.

Development Engineer

Mar 2021 – Oct 2023

Autoliv

Auburn Hills, MI

- Championed a KPI Power BI App for all North American engineering up to VP level management helping maintain a greater than 70% on-time project score and streamline business decisions through timely, accurate, and actionable insights.
- Programmed a data analysis application in Python that automated lab data cleaning, result calculations, graph visualizations, and final report generation while reducing completion time from a few hours to less than 5 seconds.
- Presided as a global product leader by orchestrating a forum for project support, defining design and process requirements, solving ad-hoc design issues, managing cross-functional team collaboration, and boosting innovation.
- Developed an automated engineering data checklist using Excel VBA, conditional formatting, and data validation to streamline part flagging and reduce user input errors.

Application Engineer / Development Engineer

Jun 2018 – Mar 2021

Autoliv

Auburn Hills, MI

- Managed product development and technical customer engagement for the successful launches of the MY19 Lincoln Aviator, MY20 Lincoln Corsair, and the first ever Rivian R1T/R1S steering wheel programs.
- Trained the entire engineering group on Power BI data shaping, data mapping, DAX utilization, and data visualization as well as other emerging data tools for improving insight detection and facilitating more effective communication.

EDUCATION

Georgia Institute of Technology

Expected May 2027

M.S. in Computer Science

Atlanta, GA

Michigan State University

May 2018

B.S. in Mechanical Engineering, Minor in Computer Science

East Lansing, MI

CERTIFICATIONS AND SKILLS

Certifications: Google Data Analytics Professional Certificate

Hard Skills: Python, Power BI, SQL, VBA, ETL (Extract, Transform, Load), OOP, Data Profiling, Data Visualization, Jupyter, VS Code, MS Office Suite, Tableau, R, C++, C, Java, Assembly Language, Statistics, Machine Learning, AI algorithms, Azure Data Factory

Soft Skills: Critical Thinking, Leadership, Project Management, Public Speaking, Communication, Collaboration, Teamwork, Growth-Driven, Detail-Oriented, Adaptability, Organization, Self-Motivated, Curiosity, Enthusiasm, Integrity