Bryce Russell-Benoit

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brycecubes.github.io/BrycePortfolio

Education

Northeastern University, Boston, MA — Dec 2024
Master of Science in Urban Informatics — GPA: 3.96
Relevant Coursework: Big Data for Cities, Machine Learning, Data Visualization
GIS for Urban Planning, Computational Statistics, Urban Theory

Northeastern University, Boston, MA — May 2021
Graduated Cum Laude with a Bachelor of Science in Business Administration and Computer Science

Technical Skills

Languages:	*Experienced*: R, Python, SQL, Java *Familiar:* C++, Javascript, CSS, HTML
Software:	ArcGIS, QGIS, R Studio, Microsoft Excel (Advanced), Microsoft Office, Jupyter Notebook, Power BI, Tableau, Visual Studio Code, Git, MySQL
Databases:	SQL, SAP HANA, SAP HANA Cloud, Redis, MongoDB, Neo4j

Experience

Boston Area Research Initiative (BARI), Boston, MA — Jan 2024 – Dec 2024
Research Assistant

- Lead development and maintenance of code base to assess local disparities in climate resilience and identify drivers and policy levers.
- Created multi-level models to examine the impact of local and regional factors on heat and air pollution.
- Developed method for approximating street width using structure data to categorize the air flushing regime and estimate air pollution exposure risk.

Protiviti, Boston, MA — Aug 2021 – Dec 2022
Technical Consultant

- Designed full suite of customer metric dashboards in Power BI to explore tabular data and visualizations that were used to help identify trends in customer behavior.
- Developed several applications using VBA for Excel to accept and process input from business users that would then enter an ETL pipeline.
- Built process in SAP Data Services to read csv data to be combined and processed into multiple different SAP HANA tables and views.

Benefits Science Technologies, Boston, MA — Jul 2020 – Dec 2020
Tableau and QA Analyst

- Diagnosed and resolved production issues on clients' Tableau pages to cater to specific data needs.
- Developed reports for account managers about status of issues and delegated fixes to other teams when necessary.
- Prepared and coordinated monthly release rollout to all clients and recorded any errors to be addressed later.
- Leveraged Python scripts to make changes across hundreds of Tableau sites.

Projects

BlueBikes Equity Study — Sep 2023 – Dec 2023

- Analyzed trends in BlueBikes use across the system to examine differences in use across various demographics.
- Visited several BlueBikes stations and their surrounding areas to study system infrastructure and rider behavior.

Boston Area Food Desert Study — Feb 2023 – Apr 2023

- Mapped and analyzed healthy food sources in Boston and their relationship to transportation networks using ArcGIS.
- Created demographic makeup of food deserts via apportionment to examine the inequity in food access.

Interests and Activities

- I love to play video games and cook with my wife.
- I'm very passionate about urban design and transportation and love learning about its history, present, and future.