

Bryce Russell-Benoit

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brycecubes.github.io/BrycePortfolio

Education

Northeastern University , Boston, MA	Dec 2024
<i>Master of Science in Urban Informatics</i>	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
<i>Graduated Cum Laude with a Bachelor of Science in Business Administration and Computer Science</i>	

Technical Skills

Languages:	<i>Experienced:</i> R, Python, SQL, Java <i>Familiar:</i> 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 – Present
<i>Research Assistant</i>	
<ul style="list-style-type: none">Leads development and maintenance of code base to assess local disparities in climate resilience and identify drivers and policy levers.Creates 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
<i>Technical Consultant</i>	
<ul style="list-style-type: none">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
<i>Tableau and QA Analyst</i>	
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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.