

Bryan C. Johns

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GitHub: github.com/johbry17 | LinkedIn: linkedin.com/in/b-johns

Portfolio: johbry17.github.io/portfolio

Data Scientist

Collaborative and results-driven Data Scientist with extensive experience in quantitative analysis, statistical methods, and visualization. Expertise in developing scalable analytics solutions and creating impactful visualizations, focused on Python, SQL, and R. Strong track record in collaborating with cross-functional teams to deliver complex and impactful data insights to non-technical audiences.

Technical Skills

Programming Languages: Python, R, SQL, C, JavaScript

Data Analysis & Visualization: Pandas, Matplotlib, Seaborn, Plotly, D3.js, Tableau

Databases: PostgreSQL, SQLite, mongoDB

Web Development: Flask, Django, Dash, HTML5, CSS, Sass, Beautiful Soup

Machine Learning: Scikit-learn, XGBoost, SHAP, TensorFlow, Keras

Development Tools: VSCode, RStudio, Jupyter, Colab, Git, Git Bash (Unix-like)

Projects

Salifort Employee Churn Prediction | github.com/johbry17/Salifort-Employee-Churn-ml

- Summary: Built and evaluated machine learning models to predict employee attrition and identify key drivers of churn for a fictional automotive company.
- Role: Led data exploration, feature engineering, and model development; compared multiple models and communicated findings in an executive summary.
- Tools: Python, Pandas, Scikit-learn, XGBoost, SHAP, Matplotlib, Seaborn

DC AirBnB Data | github.com/johbry17/DC-AirBnB-Data

- Summary: Analyzed data and created a web application to display trends in DC's AirBnB market.
- Role: Managed Flask app, conducted Jupyter Notebook data analysis leveraging Python and PostgreSQL, and generated interactive Python and JavaScript visualizations.
- Tools: PostgreSQL, Flask, Python, Pandas, Matplotlib, Seaborn, Plotly, HTML5, CSS, JavaScript

Harvest Party | github.com/johbry17/Harvest-Party

- Summary: Developed visualizations for a fundraiser, using data analysis to communicate financial disclosures to stakeholders.
- Role: Performed data analysis and visualization; built an interactive web dashboard.
- Tools: Python, Pandas, Matplotlib, Seaborn, Plotly, HTML5, Sass, JavaScript, Tableau

Experience

Supervisor and Lead Bartender Tonic Restaurant, LLC

2012 - Current
Washington, DC

- Spearheaded initiatives that increased sales by 20% - 30%, reduced bar staffing costs by 25%, and streamlined operations on select nights.
- Supervised and trained a diverse team of up to 20 staff, fostering collaboration, operational efficiency and customer satisfaction.
- Managed financial reports and reconciled daily sales up to \$25,000, ensuring fiscal accuracy.
- Demonstrated leadership & problem-solving skills in a fast-paced, collaborative work environment.

Education

Boot Camp, Data Analytics: George Washington University, Washington, DC 2023

[Google Advanced Data Analytics Certificate](#): Coursera - *Issued by Google* 2025

[Google Data Analytics Certificate](#): Coursera - *Issued by Google* 2025

Certificates: edX & cs50 - *Issued by Harvard* 2024

“Harvard’s introduction to the intellectual enterprises of computer science and the art of programming”

- [Introduction to Programming with Python](#)
- [Introduction to Databases with SQL](#)
- [Introduction to Programming with R](#)
- [Web Programming with Python and JavaScript](#)
- [Introduction to Cybersecurity](#)
- [Introduction to Computer Science \(CS50x\)](#)

Master of Arts (M.A.): International Affairs, American University, Washington, DC 2012

Master of Arts (M.A.): Natural Resources and Sustainable Development, United Nations University for Peace, Ciudad Colon, San Jose, Costa Rica 2012

Bachelor of Arts (B.A.): International Development, Evergreen State College, WA 2007

- International Development Study Abroad, University of Minnesota, Jaipur, India

Publications

[PES and REDD+: The Case of Costa Rica](#)

Analyzed the economic impact of Costa Rica’s Payments for Environmental Services program, assessing its effectiveness in contributing to global efforts in climate change mitigation.

Languages

Spanish: Working Proficiency

Hindi: Elementary Proficiency