

# Bryan C. Johns

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GitHub: [github.com/johbry17](https://github.com/johbry17) | LinkedIn: [linkedin.com/in/b-johns](https://linkedin.com/in/b-johns)

Portfolio: [johbry17.github.io/portfolio](https://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, Plotly Dash, HTML5, CSS, Sass, Beautiful Soup

**Machine Learning:** Scikit-learn, Keras, TensorFlow

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

## Projects

**DC AirBnB Data** | [github.com/johbry17/DC-AirBnB-Data](https://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](https://github.com/johbry17/Harvest-Party)

- Summary: Developed visualizations for a fundraiser, using data analysis to communicate financial disclosures to stakeholders.
- Role: Generated data analysis and visualizations using Python, JavaScript, & Tableau.
- Tools: Python, Pandas, Matplotlib, Seaborn, Plotly, HTML5, Sass, JavaScript, Tableau

**Real Estate Price Prediction** | [github.com/johbry17/Real-Estate-Price-Prediction](https://github.com/johbry17/Real-Estate-Price-Prediction)

- Summary: Engineered machine learning models to predict real estate property prices, leveraging random forests and neural networks.
- Role: Conducted data analysis, created machine learning models, and reported results.
- Tools: SQLite, Python, Jupyter Notebook, Pandas, Matplotlib, Scikit-learn, Keras, TensorFlow

## 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