Bryan C. Johns

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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, 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
- 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: 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
- 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   **2012 - Current**
Tonic Restaurant, LLC   **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

Bootcamp, Data Analytics: George Washington University, Washington, DC   2023

Certificate, Intro to Programming with Python: cs50 (HarvardX)   2024

Certificate, Intro to Databases with SQL: cs50 (HarvardX)   2024

Certificate, Web Programming with Python and JavaScript: cs50 (HarvardX)   2024

Certificate, Intro to Cybersecurity: cs50 (HarvardX)   2024

Certificate, Intro to Computer Science (CS50x): cs50 (HarvardX)   2024

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