Bryan Ortiz - Data Scientist

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As an aspiring Data Scientist, I am skilled in Python, SQL, Data Visualization, and Machine Learning, with a strong background in Neuroscience. I am passionate about leveraging data-driven insights to solve complex problems and thrive on collaborating with teams to tackle challenging data projects.

SKILLS

- **Languages:** Python (Jupyter Notebooks, Scikit-Learn, pandas, etc), Git, Spanish
- **Data Visualization:** Seaborn, Matplotlib, Tableau
- **Database Management:** SQL
- **Machine Learning:** Supervised / Unsupervised
- **Deep Learning:** Neural Nets, Convolutional Neural Nets, Transfer Learning, TensorFlow, Keras
- **Technology and Security Certifications:** CompTIA A+, CompTIA Network+, CompTIA Security+, MultiCloud Aviatrix Associate

PROJECTS

Ames, IA Housing Price Prediction | [GitHub](#)
- Employed linear regression techniques to analyze Ames, IA housing data, achieving an 89% accuracy in predicting sales prices for upcoming listings.
- Utilized advanced statistical methods to derive actionable insights from the housing dataset, informing strategies for future property listings.
- Developed comprehensive data visualizations to effectively communicate complex patterns and trends, enhancing the interpretability of the analysis outcomes.

Web APIs & NLP | [GitHub](#)
- Developed a robust post classified using web APIs and NLP techniques on Reddit data from the psychedelic community, achieving 87% accuracy and offering valuable insights into discussions and experiences.
- Led an investigative initiative employing data-driven methods to explore human consciousness and psychedelic exploration, resulting in accurate predictive models for post classification.
- Skillfully visualized findings to convey intricate patterns and trends, fostering a comprehensive understanding of the analyzed Reddit data. Presented results, enabling informed decision-making based on the analysis outcomes.

Go Bot | [GitHub](#)
- Engineered a Go-playing bot utilizing Convolutional Neural Networks (CNN) to understand intricate dynamics in the ancient game of Go, showcasing remarkable accuracy with a CNN-based approach reaching 15% (baseline: 0.028%)
- Integrated a Monte Carlo Tree Search (MCTS) algorithm with neural networks, refining the Go Bot's gameplay strategy. Achieved 2.2% accuracy (baseline: 1.2%), showing the bot's ability to make informed decisions in complex game scenarios.
- Employed data visualization techniques to distill intricate Go Bot performance patterns. Visualizations showcased the effectiveness of the developed model enhancements, contributing to an insightful presentation of analysis outcomes.

EXPERIENCE

Data Science Fellow | General Assembly | Remote   **May 2023 - Aug. 2023**
- Successfully completed a 12-week, full-time immersive program of 400+ hours of professional training.
- Developed competencies in pattern recognition, data visualization, and exploratory data analysis in Python.
- Learned and applied data visualization and machine learning techniques on a variety of platforms.
- Built, evaluated, and optimized machine learning statistical models, classifications, and dashboards.
- Collaborated with project teams to create data visualizations and dashboards with Python and Tableau.

Loan Documentation Specialist 2, Wells Fargo | Des Moines, IA   **July 2020 - Nov. 2021**

- Analyzed an average of 50 home loans per day for data inaccuracies and inconsistencies.
- Drove positive impacts on customers' lives by ensuring home loan data timeliness and integrity.
- Communicated lienholders to obtain accurate loan and customer data to enter into CORE and OPS.

Personal Trainer and Nutritionist, LifeTime Athletic | Des Moines, IA   **July 2019 - July 2020**
- Cultivated $6,000 in sales per month within the first 6 months.
- Achieved a 95% retention rate reached by building rapport with 20 consistent clients.
- Maintained accurate, detailed and up-to-date online records of client and training data.

EDUCATION

GENERAL ASSEMBLY | REMOTE
Data Science Immersive - Certificate   **Aug 2023**

University of Iowa | Iowa City, IA
B.S. Neuroscience
Founding Father of Acacia Fraternity   **May 2019**