

# Bryan Ortiz - Data Scientist

ortizbryan54321@gmail.com | (515) 490-7304 | Des Moines, IA | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

---

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, R, 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:** Excel, PowerPoint, 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 480+ 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**

**Des Moines Area Community College**

*Emergency Medical Technician (EMT) - Certificate*

**Dec 2021**

**University of Iowa | Iowa City, IA**

*B.S. Neuroscience*

*Founding Father of Acacia Fraternity*

**May 2019**