RHIANNON FILLINGHAM

Data Scientist | rhiannon.filli@gmail.com | San Antonio, TX | [LinkedIn](#) | [GitHub](#)

SUMMARY

Aspiring Data Scientist with hands-on experience in machine learning, SQL, and Python, applying analytics for data-driven decision-making. Developing expertise in predictive modeling, statistical analysis, and data visualization. Background in augmented reality development and customer engagement, integrating creativity with technical problem-solving. Passionate about leveraging data science to drive impactful solutions.

SKILLS

Programming & Tools: Python (Pandas, NumPy, Beautiful Soup, Matplotlib, Seaborn), SQL | Machine Learning: Supervised & Unsupervised Models, NLP, Time Series Forecasting | Data Visualization: Matplotlib, Seaborn, Tableau | Data Processing: Data Cleaning, Feature Engineering, Statistical Analysis | Cloud & Computing: Google Colab (GPU Acceleration)

TECH PROJECTS

Telecom Customer Churn Prediction | 02/25 | [GitHub](#) | [Colab](#)

Developed a machine learning model to predict customer churn for a telecom operator, enabling proactive retention strategies.

- Engineered features from contract type, payment methods, and service usage, identifying key churn indicators.
- Built and evaluated Logistic Regression, Random Forest, and Gradient Boosting models, achieving an AUC-ROC score of 0.85.
- Conducted data preprocessing and class balancing, improving model performance and ensuring robustness in predictions.
- Provided actionable insights on targeting high-risk customers, supporting business strategies for churn reduction initiatives.

Human Age Prediction with Deep Learning | 01/25 | [GitHub](#) | [Colab](#)

Developed a deep learning model to predict human age from facial images using convolutional neural networks (CNNs), demonstrating expertise in computer vision and model optimization.

- Trained a CNN model on a large dataset of facial images, leveraging transfer learning and data augmentation to enhance model performance.
- Achieved an MAE of 7.1 years using TensorFlow and Keras, optimizing hyperparameters to improve prediction accuracy.
- Utilized Google Colab's GPU acceleration, reducing training time significantly and allowing for faster model experimentation.
- Evaluated model performance using error distribution analysis, identifying potential improvements such as using EfficientNet or fine-tuning pretrained weights to enhance prediction accuracy.

EXPERIENCE

Kennedy's Irish Bar | Bartender | 02/22 - 01/24 | San Antonio, TX

A well-established Irish bar with a loyal customer base of nearly 20 years, known for its strong community presence and hospitality.

- Analyzed sales trends and managed inventory to optimize stock levels and minimize waste.
- Monitored sales performance with the owner to improve service quality and revenue.

● Assisted in marketing strategies and promotions, implementing data-backed drink specials to boost revenue.

Pacific Moon | Bartender | 11/21 - 09/23 | San Antonio, TX

A family-owned Pan-Asian fusion restaurant and bar with a long-standing customer base since 1997.
● Balanced bartending and dining room service, ensuring a seamless guest experience in both areas.
● Assisted in business operations and workflow improvements, working as a team to enhance service efficiency.
● Provided input on new drink selections for the cocktail menu and promotions, and incorporated customer suggestions to enhance the bar's unique selection and appeal.

Walk-On's Bistreaux & Bar | Lead Bartender | 07/17- 04/23 | San Antonio, TX

A rapidly growing, corporate-owned sports bar and restaurant franchise with a strong Louisiana cultural influence and a family-friendly atmosphere.
● One of 15 bartenders selected from over 100+ applicants during the grand opening. Remained a key team member for nearly five years.
● Briefly served as Bar Captain, training new hires and collaborating with management to address bar operations and bar staff needs.
● Tracked liquor levels and analyzed sales trends to forecast demand for major events, promotions, and high-traffic game nights, ensuring optimal stock levels and minimizing shortages.

Self-Employed | Freelance Augmented Reality (AR) Creator | 09/19 - 06/20 | Remote

Designed and developed Instagram AR filters using Spark AR and Photoshop, achieving billions of engagements.
● Developed custom AR filters that gained viral traction, used by major celebrities and influencers worldwide.
● Commissioned by ColourPop Cosmetics to create branded seasonal filters, published on their Instagram platform with millions of followers.
● Applied AR development and digital engagement strategies to increase brand visibility, leading to higher audience engagement and exposure.

EDUCATION

TripleTen | 9-month Data Scientist Program | 04/24 - 03/25

Main topics covered: Machine Learning, Supervised Learning, Computer Vision, Time Series, Python, EDA, SQL. Included applied projects.

University of Texas at San Antonio | Computer Science (Incomplete B.S.)

Completed coursework in Java, C#, data structures, algorithms, and software development before transitioning to data science.

University of the Incarnate Word | Vision Science/Physiological Optics (Transferred B.S. Coursework)

Awarded a $10,000 per year academic scholarship for academic excellence upon acceptance. Active member of the Pre-Optometry Professional Society (POPS), participating in biannual conventions and networking with industry professionals. Volunteered in free vision screenings, providing hands-on experience in eye health assessment and community service. Completed coursework in clinical research, scientific analysis, and patient care before transferring to pursue a computer science-focused career.