RYAN BROWN

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EDUCATION

The University of Texas at Austin *BBA* - Management Information Systems, Business Honors May 2023
Certificate: Elements of Computing *Overall GPA:* 3.96

EXPERIENCE

Dell Technologies - *Data Science Intern;* Austin, TX May 2021 - August 2021
- Implemented a time-series anomaly detection model for Azure usage, driving potential cost savings of up to 10% monthly
- Engineered 4 pipelines in Databricks to power a dashboard that shortens the insight generation process from weeks to days
- Visualized a network graph in PowerBI and set up automated user reports to improve efficiency/collaboration for SQL users
- Authored 11 pages of technical documentation, making my project one of the most well-documented in all of Dell Services

data.world - *Data Marketplace Intern;* Austin, TX June 2020 - August 2020
- Mapped 175+ datasets to clients, facilitating initial marketplace sales and proving value for future demand growth
- Constructed a database of 1800+ data vendors using python to evaluate the viability of supply-side partnerships
- Built two product demos using eight parameterized SQL queries, illustrating data.world's catalog capabilities to prospects

CareeRising - *Data Science Intern;* Austin, TX May 2020 - August 2020
- Created a three-part ensemble function to rank current LinkedIn testimonials, determining optimal site placement
- Modeled 1350+ mentee reviews with machine learning in Python to identify underserved market segments for targeting
- Utilized clustering and text analysis on 60+ career coaching websites and blogs to address gaps in CareeRising's offerings

LEADERSHIP AND ACTIVITIES

Texas Convergent - *Data Analysis Team Lead* Fall 2020 - Present
- Reconstructed the data analysis curriculum to include pandas, web scraping, visualization, modeling, and deployment
- Led 13 members through the product development process to create two valuable, end-to-end data science projects
- Built a product using React.js and the Spotify web API to automatically create personalized, data-driven mood playlists

Facebook Data Challenge - *Finalist* Summer 2021
- Synthesized Netflix and Facebook content/user data to provide recommendations for Zuckflix, a fictional Netflix clone

MLDS Datahack 2021 - *First Place Winner* April 2021
- Analyzed historical Spotify streaming data, utilizing regression models and feature importance to choose a genre and calculate the musical features of a potential hit single to launch the career of our data-driven band

Dell Data Hackathon - *First Place Winner* October 2020
- Created a logistic-linear factor model that incorporated raw data analysis on Austin shopping, traffic, MetroBike, and airport data to predict the increase in COVID-19 infections for the holiday season, winning first place overall in the Hackathon

PROJECTS

Content-Based Recommendation Systems - *Independent research project* Winter 2021
- Explored the usage, potential, and limitations of content-based filtering for book recommendations using supervised and unsupervised machine learning models + NLP, proposing a strong case for their integration with existing media platforms

Journal Analysis - *Empirical study of writing* Summer 2020
- Analyzed 4.5+ years of journal entries using NLP in python to derive unique, data-driven insights about my life experience

NCAA Men's Volleyball - *Determinants of athletic success* Spring 2020
- Collected and analyzed 10 years of NCAA volleyball player height and team wins data to determine the importance of height

SKILLS + INFO

Languages: Python, SQL, R, C#, JavaScript
Libraries: pandas, PySpark, matplotlib, Plotly, ggplot2, scikit-learn, PyCaret, spaCy, React.js,
Tools: Tableau, PowerBI, Databricks, Azure Data Factory, Jupyter, VSCode, GitHub
Interests: Volleyball, Reading, Data science, Fashion, Poker, Strategy games, Smash bros