






PARKER BARNES






EDUCATION

- 2021 • **University of Utah, Eccles School of Business**
Master of Science, Business Analytics  Salt Lake City, UT
- 3.95 GPA. Academic Scholarship, Lean Six Sigma Green Belt Certification
- Capstone Project: ML tool predicting customer conversion in booking professional movers. Embedded in a custom R Shiny application
- 2017 • **Brigham Young University**
BS, Statistics, emphasis in Data Science.  Provo, UT
- Double Minor in CS & Math. 3.8 GPA. Academic Scholarship

PROFESSIONAL EXPERIENCE

- Present | May, 2022 • **Data Scientist**
Nursa™  Murray, UT
- Built a data pipeline that clusters facility networks based on clinician labor patterns. Trains random forest model to predict job request rates and assigns price adjustments accordingly.
 - Developed internal R package that interfaces with company's databases.
 - Automated monthly Stripe finance statements in RMarkdown and built friendly UI in R Shiny. Deployed using Docker and AWS
- May, 2022 | Dec, 2022 • **Data Scientist**
PILYTIX  Austin, TX
- Remodeled a client's A.I. pipeline by revamping SQL scripts to more accurately capture useful variables.
 - Explored and visualized variables to assess their predictability.
 - Trained and evaluated bayesian hierarchical models on selected variables to effectively predict "wins" and "losses" among sales opportunities
 - Contributed to internal R packages and analysis framework to facilitate more efficient and standardized analyses across clients
- Dec, 2022 | May, 2021 • **Data Analyst**
International Academies of Emergency Dispatch (IAED)  Salt Lake City, UT
- Processed data requests for various stakeholders in the company by querying databases and visualizing in Power BI
 - Automated agency data monitoring process using a combination of SQL, R, and 2 project management APIs
 - Re-engineered automated data pipelines for company public-facing dashboards. Reduced memory usage and computation by 90% by applying STAR Schema principles.

CONTACT INFO

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SKILLS

Specialized in R and the [tidyverse](#)

Machine learning with [tidymodels](#)

Databases: PostgreSQL/Redshift, T-SQL, [dbplyr](#)

Visualization: ggplot2, Shiny, Power BI

Analytics Pipeline Development with [targets](#)

MLOps with Github, Docker, AWS

Other Skills: R package development, Python (pandas, scikit-learn), Power BI, Excel

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Last updated on 2022-09-18.