

# PARKER BARNES



## EDUCATION

2022

### University of Utah, Eccles School of Business

Master of Science, Business Analytics

📍 Salt Lake City, UT

3.95/4.0 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

2020

### Brigham Young University

BS, Statistics, emphasis in Data Science.

📍 Provo, UT

Double Minor in CS & Math. 3.8/4.0 GPA. Academic Scholarship



## PROFESSIONAL EXPERIENCE

Present  
|  
May,  
2022

### Data Scientist

Nursa™

📍 Murray, UT

- Trained and deployed a machine learning model that predicts whether a job will be requested on our app. Deployed as an API using Docker and AWS
- Developed internal R package that interfaces with company's databases
- Automated facility finance statements with RMarkdown and Shiny.
- Created an interactive Shiny dashboard that maps facilities and users.

May,  
2022  
|  
Dec,  
2021

### 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,  
2021  
|  
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
- Re-engineered automated data pipelines for company public-facing dashboards. Reduced memory usage and computation by 90% by applying STAR Schema principles.
- Automated agency data monitoring process using a combination of SQL, R, and 2 project management APIs

## CONTACT INFO

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## SKILLS

Specialized in R and the [tidyverse](#)

ML: [tidymodels](#), H2O, DALEX

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

Visualization: ggplot2, echarts4r, Power BI

Reporting: RMarkdown/Quarto, Shiny (rhino)

Pipelines: [targets](#)

MLOps: Github, Docker, AWS, plumber, vetiver

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

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*Last updated on 2023-01-09.*