

# BEN RASICH

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As a seasoned data scientist with 5 years of analytical experience, I have developed a strong background in data analysis, statistical modeling, machine learning, and bringing model-driven insights to a value-driving production environment. In my current position, my track record shows that I am an adept leader and team player across all phases of the data science lifecycle, from researching a business requirement, transforming that requirement into a tractable data science problem, and building and implementing a data-driven solution via strong partnership with product and engineering partners.

## SKILLS

Python	-	SQL	-	Scikit-Learn	-	Tensorflow + Pytorch
Azure ML	-	Azure Functions	-	Spark	-	Databricks

## WORK EXPERIENCE

*Manager, Data Science - CarMax, Richmond VA*

*08/2020 - present*

*Business Analyst*

*08/2018 - 07/2020*

- o Built and productionized predictive models to solve problems across numerous cross-functional business areas, including:
  - o Prioritizing call center workloads by ROI of associate time across customer channels, saving over \$10M annually over prior strategies.
  - o Recommending the most profitable next action for a sales consultant to take to guide a customer, using sequential deep learning techniques derived from the NLP field.
  - o Forecasting market-level sales performance during the COVID-19 pandemic, including wrangling data from rapidly emergent 3rd party open source providers (Google mobility data, Johns Hopkins infection rate tracking, etc).
- o Championed explainability as a focus for data science teams, including the widespread adoption of SHAP analyses to open the black box for less-technical audiences.
- o Implemented always-on testing strategy to allow for continuous improvement and model retraining.

*Mechanical Engineering Intern - Gulf Electroquip, Houston TX*

*05/2017 - 08/2017*

- o Prototyped database to store per-client and per-application manufacturing and repair specifications for large electric motors used in the Oil and Gas industry.
- o Provided analytical support to enable profitable expansion of manufacturing operations.

## EDUCATION

*B.S. Mechanical Engineering, cum laude - Rice University, Houston, TX*

*August 2014 - May 2018*

*M.S. Data Science (in progress) - University of Texas, Austin, TX*

*August 2021 - Dec 2023*

*Coursework in NLP, Image classification, Object Detection, Machine Learning, Optimization*

