AARON MILES

I am passionate about putting data into use. Whether by creating a model for a machine to action against, or a dashboard enabling a coworker to better understand something; my ultimate goal is to help get the most out of existing data. I have experience in all phases of the data science cycle, from scraping data from the web, to putting packaged applications into production. Hard problems are my favorite because they give me the opportunity to deeply think through issues and processes and address them in ways no one has yet thought of.

💼 INDUSTRY EXPERIENCE

Staff Data Scientist
PointPredictive
📍 San Diego, CA

2020 | 2020

- Wrote Python code for ML production system
- Instructed teammates and stakeholders on probabilistic modeling methods
- Used machine learning to predict various fraud outcomes for multiple clients

Artificial Intelligence Engineer
Covail
📍 Columbus, OH

2020 | 2018

- Lead data science and machine learning client engagements
- Developed a natural language classifier, used in multiple engagements across multiple clients
- Packaged custom solutions and deployed them in multiple ways, depending on client need. Including a hosted R package, Alteryx node, API endpoint, SQL Query, and others.

Data Scientist
The Shipyard
📍 Columbus, OH

2018 | 2017

- Built automated ad bidding technology using machine learning to optimize ad spend
- Presented A/B test results to clients
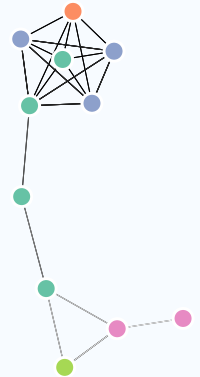- Developed a way to measure site template effectiveness using image processing techniques

Data Scientist
Express
📍 Columbus, OH

2017 | 2015

- Constructed a new customer retention model, and presented on a regular cadence to C-Suite executives
- Prototyped customer segmentation, media fix, and forecasting models
- Assisted merchants with ad-hoc requests as needed

CONTACT

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🐦 _aaronmiles
github.com/amiles2233
🔗 https://amiles.netlify.com/
in
linkedin.com/in/aaronrmiles

LANGUAGE SKILLS
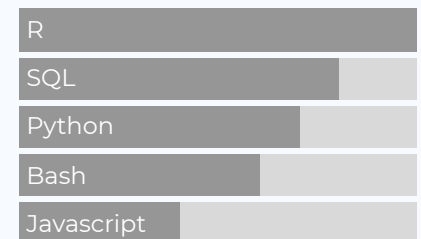
Skill	
R	
SQL	
Python	
Bash	
Javascript	

🎓 EDUCATION

2015
|
2013

M.A. Sociology

The Ohio State University

📍 Columbus, OH

· Thesis: Evaluating the effectiveness of schools on students from different socioeconomic backgrounds
· Graduate Research Fellowship

2013
|
2009

B.S. Sociology

Brigham Young University

📍 Provo, UT

· Dean's List

💻 RESEARCH EXPERIENCE

2015
|
2014

Research Assistant

Center for Human Resource Research

📍 The Ohio State University

· Curated dataset of all Ohio public schools. Assisted development of HS Graduation model

📈 SELECTED DATA SCIENCE WRITING

2019

Case Study in Quanitfying Risk and Reward with Tensorflow Probability[1]

amiles.netlify.com

· Showcase the power of Tensorflow Probability in finance using Lendingclub data

2019

Building Optimal Daily Fantasy Lineups in R[2]

amiles.netlify.com

· Used R to scrape fantasy football projections and build optimal lineups
· Used linear optimization to build lineups

2019

Exploring Stock Relationships with Tiingo News[3]

amiles.netlify.com

· Network analysis of stock news and identifying relationships between tickers.

📓 SELECTED TALKS

2020
|
2020

● **Think Probabilistically? Model Probabilistically. Applications of Tensorflow Probability using Financial Data**[4]

Big Data Finance

· Presented how tensorflow probability could be used with financial data

🔗 LINKS

[1]: https://amiles.netlify.app/2019/12/case-study-in-quantifying-risk-and-reward-with-tensorflow-probability/
[2]: https://amiles.netlify.app/2019/09/building-optimal-daily-fantasy-lineups-in-r/
[3]: https://amiles.netlify.app/2019/08/exploring-stock-relationships-with-tiingo-news/
[4]: https://www.youtube.com/watch?v=zxCh2FKKLT0&list=PLIRUU_XYC-KNW8ZB5qQce1iCrBJkek0r9&index=29&t=2s