

MAX BOLGER

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OBJECTIVE

Data Scientist with 3+ years of experience

SKILLS

Proficient In	Python, SQL, R, Spreadsheet Software, Conda, Spark, Tableau
Technical Skills	Data Science, Machine Learning, Data Visualization, Dashboards, Web Scraping, A/B Testing, Big Data, Version Control, Statistics, Binomial and Poisson Processes
Soft Skills	Problem Solving, Dependability, Determination, Emotional Intelligence

EXPERIENCE

Data Scientist Optum	May 2021 - Present <i>Minneapolis, MN</i>
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- Sole developer, maintainer, and owner of a family of 6 different fully-automated, production-level machine learning models that predict scheduling probabilities for HouseCalls members in different capacities by using a data science stack of python (pandas, scikit-learn, sqlalchemy, and more), SQL, and batch scripting, all version controlled by conda
- Sole developer, maintainer, and owner of a fully-automated, production-level machine learning model that predicts readmission probabilities for HouseCalls members by using a data science stack of python (pandas, scikit-learn, sqlalchemy, and more), SQL, and batch scripting, all version controlled by conda
- Improved a variety of out-dated machine learning models by increasing scoring metrics via model selection and hyperparameter optimization, cleaning the code base to abide by python's PEP8 style guide, and increasing computational efficiency using vectorized operations

Data Science Associate Hamline University Marketing Analytics Clinic (HUMAC)	Dec 2019 - May 2021 <i>St. Paul, MN</i>
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- Led the data science team of the HUMAC that developed business solutions for Twin Cities businesses AmeriSave Mortgage Corporation and Two Bettys Green Cleaning using python to conduct data-driven analysis and machine learning

Freelance Data Scientist	Dec 2020 - Present
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- Establish The Run: Used streamlit to develop a web app UI for the company to display proprietary content to subscribers
- Occupy Fantasy: Used python to develop a script that parses and analyzes sports betting information and pre-processes it to deliver actionable advice to subscribers

PROJECTS

WNBA Player Dashboard Developed a streamlit dashboard that visualizes a variety of stats - including proprietary metrics created by leveraging my WNBA shot probability machine learning model - for any of the 996 WNBA players to attempt a shot between 1999-2020. This project won two awards. ([Try it here](#))

Voting Classidier Dashboard Developed a streamlit dashboard that visualizes decision boundaries for a scikit-learn voting classifier and the models that consist of it using the Palmer Penguins dataset. ([Try it here](#))

EDUCATION

B. Sc. Computational Data Science, Hamline University

2018-2022

Minors: Business Analytics, Economics

GPA: 3.9, Dean's List 8/8 semesters

Relevant Coursework: Elements of Statistical Learning, Data Mining, Data Management and Communication, Discrete Mathematics, Computational Data Science, Big Data and Social Issues, Creative Coding, Econometrics