Contact

miao.sun.orange@gmail.com

www.linkedin.com/in/miao-sun-
orange (LinkedIn)

Top Skills

R
Statistics
Data Analysis

Languages

English (Full Professional)

Mandarin (Native or Bilingual)

Publications

Protective Effect of Nitric Oxide
against Oxidative Damage
in Arabidopsis Leaves under
Ultraviolet-B Irradiation

Modified SuperCurve Method for
Analysis of Reverse-Phase Protein
Array Data

Miao Sun

Data Scientist
Irvine, California

Summary

· 5 years' industry experience in Data Science
· Solid academic training in Statistics and Computer Science
· Proficient in AB Testing and Machine Learning with strong business
acumen
· End-to-end work with data, including querying, analytics, modeling,
visualization, and deployment
· Collaborate cross-functionally with product, engineering, operation
to solve problems and identify trends and opportunities
· Great judgment and instincts to identify what is essential on a
product

Experience

Alorica
Data Scientist
August 2018 - Present (1 year 8 months)
Irvine, California

· Use machine learning algorithms to help call centers identify good candidates
and improve the agents' retention rate
· Develop and deploy PERM(retention) machine learning model in the Azure
cloud environment
· Collect more features and improve accuracy for STAR(recruiting) machine
learning tool
· Conduct text mining of call transcripts to save $700,000 on a system
upgrade. Ad hoc reports of text similarity and sentiment analysis in Python
and Pyspark
· Techniques: Machine Learning, MS SQL, Power BI, Python, R, Azure Cloud,
DataBrick, Natural Language Processing, Spark

Results Generation
Data Scientist
September 2016 - April 2018 (1 year 8 months)
Austin, Texas Area

· Used machine learning and AB testing to improve click-through rate in data monetization business
· Conducted a variety of AB Tests to improve customer email click-rate in PHP (2%-20% improvement)
· Deployed customer Interests Matching algorithm (increased email click rate by 30%) and
Recommended Jobs algorithm (increased email click-rate by 4%) in Python to improve the click rate
· Techniques: AB Testing, Experiment Design, MySQL, Python, R, PHP, Microsoft Excel

EOG Resources
Associate Data Scientist
September 2014 - September 2016 (2 years 1 month)
Houston, Texas Area

· Built prediction model to forecast oil and gas production
· Developed offset finding algorithm to help completion engineers find nearest offset wells with Python
· Created Ad hoc analysis reports in drilling and production
· Techniques: Ad Hoc Analysis, SQL, R, Python

Civitas Learning
Data Scientist Intern
June 2014 - September 2014 (4 months)
Austin, Texas Area

· Used machine learning algorithms to help students succeed in higher education
· Added new aggregation functions in SQL procedures
· Integrated new social network features in the predictive model to improve model accuracy with R
· Techniques: Statistics, Predictive Model, SQL, R

Education

Georgia Institute of Technology
Master's degree, Computer Science. In progress · (2016 - 2020)

The University of Texas Health Science Center at Houston

Master's degree, Biostatistics · (2012 - 2014)

Hebei Normal University

Bachelor's degree, Biotechnology · (2006 - 2010)