



Skills

Extensive in-depth experience in machine learning, deep learning, and data science;
Solid skills in statistics and computer science, proficiency in data structure and algorithm;
Expertise in SQL, Python, Numpy, Pandas, Sklearn, TensorFlow, etc.; basics in C and Java;
A quick learner and team player with strong motivation in work and passion in data science.

Experience

Data Scientist / Algorithm Scientist

Faw – Toyota Tianjin, China

May 2022 - Present

Data Scientist / Algorithm Scientist

Haidilao, Inc. Beijing, China

Nov. 2020 – Apr. 2022

Led data science team

Food and beverage demand forecast analysis and modeling: feature engineering, LR, xgboost, random forest regressor using tensorflow, model implementation and optimization

Supplier risk modeling: built supplier scoreboard models and logistic regression models for supplier risk control

BI reporting: implemented redash and superset, generated business metrics and business dashboards

Routine team management, organized learning events.

Data Scientist / Algorithm Scientist

Huobi.com Beijing, China

Sep. 2019 – Nov. 2020

Worked at risk / data science team

Customer risk detection using machine learning:

Customer risk feature selection and engineering

Applied logistic regression, decision tree, and random forest classifier models

Applied random forest regression and multi-layer neural network models to assign risk scores Model assessment, explainability analysis; model implementation and optimization

Cryptocurrency exchange volume prediction:

Feature selection and engineering

Applied linear regression, time series, xgboost models

Tools used: python (& numpy, pandas, matplotlib, seaborn), mysql, redash, sklearn, tensorflow, hive, impala, bash/linux, azkaban

Data Scientist & Data Analyst

Nestle USA Oakland, CA, USA

Sep. 2015 – Sep. 2019

Worked at business analytics team

Tools used: Python, SQL, SAS, SAP, Excel, Pandas, Sklearn

As a data scientist:

Built and maintained time series statistical models (mainly ARIMA)

Collaborated with engineering team to build new big-data infrastructure (Hadoop and Spark) Rebuilt and upgraded existing models on the new big-data infrastructure

Built and tested new models using Python and Sklearn

As a data analyst:

Applied time series statistic models (mainly ARIMA) for demand forecast for 1700+ products Performed data analysis and modeling in SAS & SAP, managed database

Generated business metrics and reports; maintaining models, codes, and processes

Communicated with other teams for reporting, feedback and trouble shooting

Data Analyst

Wells Fargo San Francisco, CA, USA

Feb. 2014 – Sep. 2015

Worked at business analytics team

Marketing data analysis, customer risk data analysis

A/B testing on different marketing and risk strategy

Modeling to match customers and finance products

Tools used: Teradata, SQL, SAS, R, Excel

Data Analyst

Google Inc. Mountain View, CA, USA

Mar. 2013 – Feb. 2014

Worked at Google Shopping Express

Data analysis covering the whole business cycle, including and not limited to orders, inventory, transportation, and customer services.

Utilized SQL, Excel, PowerPoint, Google Docs

Education

Master in Applied Statistics

The Ohio State University

2012

Bachelor in Materials Engineering

East China University of Science and Technology

2009