ZIKANG CHEN

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EDUCATION

University of Southern California   Los Angeles, CA
Master of Science in Analytics (Data Science)   Expected Graduation: May 2025
- GPA: 4.0/4.0 | Relevant Courses: Data Management for Analytics (Database, ETL), Predictive Analytics

University of California, San Diego   La Jolla, CA
Bachelor of Science in Cognitive Science with Specialization in Machine Learning   September 2019-March 2023
- Minor in Computer Science | GPA: 3.7/4.0 | Computer Science & Data Science Tutor (2022 - 2023)

TECHNICAL SKILLS

- Programming: Python (scikit-learn, PyTorch, TensorFlow), R (tidyverse, tidymodels), SQL, MATLAB, Java
- Tools: Jupyter Notebook, R Studio, Snowflake, Tableau, AWS, Excel, PowerPoint, Word, Postman, Git, GitHub, Bash

PROFESSIONAL EXPERIENCE

Guangzhou DeeAo Information Technology Co., Ltd   Guangzhou, China (Remote)
Data Analysis Intern   August 2023-October 2023
- Investigated the cause behind complaints related to cell phone signal quality by training logistic regression (scikit-learn) on cell phone signal data using signal metrics, identified actionable insights to reduce customer complaints
- Predicted housing price in Dongguan by leveraging ridge regression and simulated annealing, identified top drivers of housing prices by performing data analysis, generated business insights to adjust listing prices

Guangzhou QuickDecision Technology Co., Ltd   Guangzhou, China
Data Processing Intern   April 2023-July 2023
- Implemented data automation by developing Python scripts to generate survey templates with labeled questions and to compile market research survey into Excel while interfacing with Engineers and Data Scientists
- Performed API testing using Postman, achieving over 90% accuracy in reproducing a human-written survey, reducing survey creation time by 80%; suggested improvements to the survey creation process to scale the team

Hangzhou Himalaya Information Technology Co., Ltd   Hangzhou, China
Product Management Intern   June 2021-August 2021
- Conducted black-box testing and QA testing on product website and WeChat mini program by reducing errors by 90%
- Wrote a competitive product analysis and drew product structure diagrams by using XMind and working closely with the Product Manager and Software Engineers to manage decisions in product development

ACADEMIC PROJECTS

Sales Data Warehouse and Data Mart Implementation GitHub   November 2023-December 2022
- Created a sales database on Snowflake by integrating data from the Northwinds database into a star schema
- Developed a data warehouse by constructing the dimension tables and fact table through the ETL data process
- Produced a dataset for data analysis through SQL querying to uncover business insights

University Challenge: Disaster Tweets Classification for Resource Allocation GitHub   October 2023-Present
- Identified resources needed in a region for disaster response by classifying 61k disaster-related Tweets
- Engineered features using TF-IDF, trained SGD Classifier, XGBoost, and BERT (PyTorch), achieving a test accuracy of 82%; advanced into the Min Family Engineering Social Entrepreneurship Challenge at USC

Rating Prediction with Collaborative Filtering GitHub   November 2022-December 2022
- Performed large-scale data analysis on 190k data of clothes measurements and customer reviews
- Developed a bag of words model with linear regression, collaborative filtering model with Jaccard similarity, and a latent factor model (TensorFlow), reduced the testing MSE to 0.38