

YUETING (ALEX) ZHU

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EDUCATION

University of Southern California

Los Angeles, CA

Master of Science in Analytics

May 2023-May 2025

- GPA: 4.0/4.0

Worcester Polytechnic Institute

Worcester, MA

Bachelor of Science Data Science & Computer Science

May 2019-May 2023

- Major GPA: 3.84/4.0

SKILLS

Programming: Python (TensorFlow, PyTorch, Pandas, scikit-learn, PySpark), SQL, R, Java, JS, C

- Database/Cloud: AWS s3, Mongo DB, Databricks, Snowflake, Apache Hadoop/Spark
- Data Visualization: Tableau, Power BI, Microsoft Excel
- Web/App Development: React, Node.js, Express, Node, GoDaddy, Jira, Git
- Languages: Chinese (Native), English (Bilingual), Japanese (Advance, N2 passes)

PROFESSIONAL EXPERIENCE

University of Southern California

Los Angeles, CA

Teaching Assistant – Machine Learning (Graduate Level)

Jan 2024-Present

- Assisted in the instruction of a graduate-level machine learning course, helping students understand complex theories and algorithms
- Led certain lecture sessions (boosting models, review), effectively conveying complex machine learning concepts to students

GBCS Group/SkyIT

Los Angeles, CA

Data Analyst Intern

Sep 2023-Jan 2024

- Perform data cleaning on Excel sheeting on fleet dataset, using python to code automatic solutions for converting information in Excel sheets to cleaned CSV files
- Implemented automated Python scripting to extract, transform, clean, and preprocess raw data from the fleet dataset, reducing manual processing time and ensuring data accuracy
- Cross referencing and standardizing data from different sources to ensure consistency and accuracy in the combined fleet dataset

Solix Technologies Inc.

Santa Clara, CA

Data Analyst Intern

June 2023-Sep 2023

- Conducted extensive analytics consultation projects, involving data cleaning, profit and loss reporting, data visualization, deep learning model building for forecasting, breakeven price analysis, and providing business decisions/consultation, including sale cycle analysis
- Acquired a comprehensive understanding of event logs, business process modeling, bottleneck assessment, deviation analysis, and overcoming bottlenecks for customers in various sectors, including hospitals

ACADEMIC PROJECTS

Capstone Project: Price Analysis from Multiple Listing Service Data

Worcester, MA

Programming Lead

October 2022-December 2022

- Developed Power BI dashboards utilizing large datasets (over 100G) from multiple listing services, and deployed the models on Databricks for accessibility for other employees
- Utilized time series statistical models (X-13ARIMA and Seasonal Trend Decomposition) to predict future housing prices in areas in the USA
- Created Power BI dashboards using datasets from large multiple listing service data (over 100G) and built time series models to predict future housing prices

Machine Learning Project

Worcester, MA

Member

August 2021-October 2021

- Efficiently conveyed findings from analysis and models to technical stakeholders and adeptly addressed their inquiries
- Utilized various models including linear model, multi-feature model, logistic regression model, support vector classifier (SVC), Lasso/Ridge, LDA/QDA, and tree-based models (Random Forest, Decision Trees) to predict housing prices using scikit-learn
- Assessed performance of each model and conducted a comparison based on statistical parameter R-square

Data Science Project

Worcester, MA

Member

January 2021-March 2021

- Employed Python and the Twitter API to collect a substantial dataset of approximately 100 thousand rows of textual data from the Twitter platform
- Utilized Natural Language Processing(NLP) to analyze tweets and quantify number of individuals expressing positive sentiment towards mentioned games, enabling a comprehensive understanding of user opinions and preferences