

# Yueling Qiu

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## EDUCATION

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<b>Boston University</b> Master of Applied Data Analytics	Sep 2025 – Present
<b>University of California, Davis</b> Bachelor of Mathematics	Sep 2021 – Jun 2025

## CERTIFICATION

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<b>Google Data Analytics Certificate</b>	Mar 2026
<b>Google AI Essentials Certificate</b>	Feb 2026

## WORKING EXPERIENCE

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<b>Technical Translator / Project Support Intern</b> <i>Shenzhen Aival Data Technology Co. Ltd.</i>	Jul 2024 – Aug 2024
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- Translated and standardized technical documentation and UI content for a big data platform, improving clarity and consistency for international users.
- Supported cross-functional coordination across project stakeholders and contributed to delivery of technical materials under deadline.
- Created a client-facing presentation on AI-driven productivity solutions, translating technical concepts into business-facing communication.

## SELECTED PROJECTS

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<b>American Housing Survey Classification Analysis</b>	Feb 2026 – Present
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- Built and evaluated 36 machine learning pipeline combinations across 4 balancing methods and 9 classifiers to predict disability status in a large-scale housing survey dataset.
- Applied preprocessing, resampling, and benchmark comparison to improve classification workflow for imbalanced data.
- Evaluated models using recall, TPR, precision, F1-score, and confusion-matrix analysis to support minority-class model selection.

<b>Quantitative Stock Prediction &amp; Strategy Optimization</b>	Sep 2025 – Dec 2025
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- Engineered predictive features from 5 years of QCOM market data, including returns, moving averages, and rolling volatility.
- Trained and benchmarked KNN, Logistic Regression, Naive Bayes, LDA/QDA, SVM, and tree-based models for weekly stock trend prediction.
- Compared model performance using accuracy and classification metrics to identify the most effective predictive strategy.

<b>Recipe Review Rating Classification</b>	Sep 2025 – Dec 2025
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- Analyzed 18,182 recipe reviews to predict high ratings using user behavior, review metadata, and engineered text-related features.
- Compared 5 machine learning models and improved performance through feature engineering, including review length and engagement metrics.
- Built a structured classification workflow using Python, pandas, scikit-learn, and model evaluation metrics.

## SUMMARY OF QUALIFICATIONS

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**Programming & Analytics:** Python, SQL, R, MATLAB, LaTeX

**Machine Learning:** Logistic Regression, Decision Tree, Random Forest, KNN, SVM, Naive Bayes, LDA/QDA, Gradient Boosting, Classification, Model Evaluation

**Data Analysis:** Data Cleaning, Feature Engineering, Data Visualization, Dashboards, Reports, Spreadsheets, Database Queries

**AI / LLM:** LLM Prompting, LLM Evaluation, Applied AI Workflows

**Tools:** Microsoft Office Suite, Google Workspace, Tableau, SQL Developer

**Languages:** Mandarin, English