

## Zheling Zhang

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### EDUCATION

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#### Vanderbilt University – Data Science Institute

Nashville, TN

*Master of Science in Data Science*

May 2025

- GPA: 3.60
- Relevant Coursework: Data Cleaning and Visualization, Data Science Algorithm, Data Analysis (R Language), Probability Stat

#### University of California, Irvine

Irvine, CA

*Bachelor of Science Major: Business Information Management*

March 2023

- GPA: 3.44
- Selected as Dean's Honor List: Winter, Spring and Fall of 2022, and Winter 2023
- Relevant Coursework: Project Manager, Deep Learning, Machine/Data Mining, Database Management (SQL), Intermediate Python/Java, Marketing, Operation Management, Strategic Management, Accounting

### SKILLS

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**Relevant Skills:** Microsoft Office, Data Analysis, Data Visualization, Project Management, Accounting, Deep Learning, Machine/Data Mining, Linux

**Programming Languages:** R, Python, SQL, Java, Streamlit, Gradio

**Framework/Library:** matplotlib, Scikit-learn, Pandas, NumPy, Jupyter Notebook

### EXPERIENCE

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#### DIB Assessment Management

Beijing, China

*Department of Technology, Analyst Assistant – Internship*

Sep - Nov 2020

- Investigated and collected financial data of domestic and oversea market covering multiple sections, e.g. medicine, new energy vehicle
- Evaluated and analyzed the performance of targeted funds in market and provided detailed financial reports which used to make investment decision
- Collected information and wrote analysis reports concerning Elon Musk and Tesla which used as the support material about the industry of new energy vehicle

### PROJECTS

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#### Used Car Analysis (R/Python/Excel)

Irvine, CA

- Utilized the third-party tool, collected the information of used cars around Irvine, CA on the used car trade platform
- Filtered the raw data, restructured the data based on each characteristic, such as make, year of made, and color, etc.
- Utilized the R-studio to visualize trends of used cars trade and generate essential graphs based on important factors

#### Image-based Kidney Tumor Prediction (scikit-learn/Jupyter Notebook)

Irvine, CA

- Developed three models, which utilized Squeeze-and-Excite, Deep Supervision, Contracting-Expanding segmentation architecture accordingly
- Utilized the visual data of kidney tumor CT exams, training and validating the models to achieve the higher performance accuracy

#### Information Retrieval (Python)

Irvine, CA

- Created an inverted index for the corpus with all alphanumeric sequence in the dataset, then sorted the retrieved documents based on the tf-idf scoring
- Output top 5 related results based on the ranking by inputting the queries while handling 2000 documents or web pages

#### Analyzing and Visualizing Creative Community Survey Data for Non-Profit Initiatives (Python/Streamlit)

Nashville, TN

- Clean and analyze the given data from the non-profit company
- Develop a user interface allow the users to upload the survey data and display the analysis and visualization of the data
- Treat the qualitative and quantitative data via appropriate arbitrary disciplines to maximize the efficiency and rationality of the data analysis

### ADDITIONAL

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- Language Skills: Chinese, English
  - Certificate: Coursera Machine Learning