

Christina Zhou

☎ 832-748-7997 | ✉ cz82@rice.edu | in [christina-zhou](https://christina-zhou.github.io)

EDUCATION

Rice University, *M.S. in Data Science*

08/2024 - 12/2025(expected)

- **Relevant Coursework:** Stats Computing Data Science(A), Deep Learning for Vision & Language(A), Information Retrieval(A)

Tsinghua University, *B.S. in Management Information Systems*

09/2020 - 07/2024

- **Relevant Coursework:** Database Applications(A), Machine Learning(A-), Information Systems(A), Java Programming(A)

SKILLS

Data Analytics: Python, SQL, R, ETL, Data Visualization (Tableau, Power BI), Excel

Software Development: C#, Java, JavaScript, C, ASP.NET Core, HTML/CSS

Platforms & DevOps: Azure, Docker, Git/GitHub, MySQL

EXPERIENCE

Eceptionist

TX, USA

Software Engineer Intern | SQL, ASP.NET, JavaScript, C#, REST API

05/2025 - present

- Architected and deployed two full-stack analytics dashboards using ASP.NET Core and JavaScript to automate real-time operational reporting in the healthcare industry
- Authored and optimized SQL stored procedures to transform and aggregate thousands of raw records, ensuring data model integrity through API validation
- Delivered an end-to-end ML pipeline (preprocessing, simulation, LR/XGBoost) to forecast hospital bed availability, enabling actionable capacity and cancellation planning

Xiaomi Corporation - Global E-commerce Department

Beijing, China

Data Analyst Intern | SQL, PowerBI, Google Analytics

08/2023 - 12/2023

- Collected traffic data weekly and monthly, generating reports with insights driving millions RMB in revenue growth
- Built dashboards using Google Analytics and internal data platform for 60+ projects needs, enabling data analysis across global business lines and countries
- Designed and implemented the web tracking system to ensure reliable event data collection through tag verification, standardized tagging and pre-launch validation

Charoen Pokphand Group Company CO., LTD.

Beijing, China

Data Engineer Intern | Power Automate

08/2022 - 09/2022

- Utilized Power Automate to systematize daily marketing data collection and reminders for over 50 stores
- Collected, processed and visualized environmental data, using Excel to support potential decision-making insights
- Used exception handling to remove pop-ups, resolve freezing issues, standardize code and organize file storage, reducing data collection failure rate by around 80%

Tongdao Liepin Group CO., LTD.

Beijing, China

Data Analyst Intern | SQL, Python, Excel

06/2022 - 08/2022

- Extracted a 120K-row dataset with 19 features using SQL, analyzed user login profiles and key behavioral patterns
- Conducted text analysis on 2K+ minutes of interview transcripts to identify candidate competencies
- Participated in market research and produced an analysis report on employment preferences of returned overseas students and local graduates(2022-present), informing recruitment and job-matching optimization

PROJECTS

Rice 2025 Datathon - 3rd Place Winner | Python

01/2025 - 01/2025

- Performed descriptive analysis to identify vehicle population trends and guide data preprocessing
- Engineered numeric features from categorical data and applied grouped median imputation for missing values
- Built Random Forest, XGBoost, and ensemble models, reducing RMSE from 12,000 to under 3,900

Second-hand Car Website | Python, MongoDB, JavaScript, Vue

07/2023 - 08/2023

- Developed a vehicle trading platform with price estimation, trend prediction, search, and user dashboards
- Utilized a Scrapy web crawler to collect 200K+ data of on-sale used cars and vehicle depreciation rates daily
- Conducted feature engineering on macro data (e.g., fuel prices, GDP, second-hand car transaction volume)
- Established price range prediction and time series forecast models based on Gradient Boosting Decision Trees
- Implemented the application using MongoDB (database), Node.js (back-end), Vue.js and ElementUI (front-end)

Classification for Customer and Product Attributes | Python

05/2023 - 06/2023

- Processed more than 600,000 user personal characteristics, product features, and product review data
- Vectorized text data with Tokenizer and Word2Vec, developed TextCNN and RNN, achieving 85.2% accuracy
- Predicted product ratings based on product characteristics and product evaluations by using a DataLoader and a transformer architecture through multiple iterations, improving prediction accuracy to 64.6%