

# Qinyi (Chloe) Hu

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## EDUCATION

University of California, San Diego

San Diego, CA

Major: Master of Science in Business Analytics, Rady School of Management | GPA: 3.7/4.0

Expected 12/2025

Relevant Courses: SQL&ETL, Web Mining & Recommender Systems, Business Intelligence Systems, Collecting and Analyzing Large Data, Customer Analytics and (Generative) AI, Business Analytics Consulting, Analyzing Unstructured Data, Experiments in Business Analytics

Honors: Rady Incoming Scholarship (2024)

Tsinghua University

Beijing, China

Major: B.S. Degree in Biomedical Engineering | GPA: 3.5/4.0

09/2019 – 06/2024

Relevant Courses: Differential Equations, Statistical Data Analytics, Numerical Mathematics, Programming, Machine Learning, Data Structure

## SKILLS

Technical Skills: SQL, Python (NumPy, Pandas, Matplotlib), R, Tableau, MATLAB, Microsoft Excel

Methodologies: Machine Learning (Linear Regression, Logistic Regression, Natural language processing, Decision Tree, Random Forest), Statistical Modeling, Data Analytics, Data Visualization

Languages: Mandarin (native), English (fluent), Spanish (intermediate)

## WORK EXPERIENCE

Mechcraft

New York, NY (Remote)

Data Analyst Intern

01/2025 – 02/2025

- Developed and executed **API calls** to extract historical stock data from Yahoo Finance API using **Python**.
- Conducted **exploratory data analysis** on stocks prices over the past 3 years and created **visualization plots** to analyze trends.
- Analyzed highly correlated stocks based on **correlation analysis**, and developed **Hidden Markov Model** to predict market regimes shift and backtested trading strategies using **Python**.
- Created **scatter plots** to compare actual versus predicted values and compiled a report to help clients understand these strategies.

China International Capital Corporation (CICC)

Shanghai, China

Analyst Intern

01/2023 – 02/2023

- Extracted financial data from healthcare company reporting database using **SQL**, analyzed each company's historical performance data in **Excel** by creating different **plots (pie, line charts) and Vlookup** function.
- Developed a **Python Linear Regression Model** to predict future returns based on the selected company's historical financial data.
- Identified and eliminated **outliers** using **Cook's distance** and checked **multicollinearity** based on **VIF** and applied **stepwise regression** to conduct variable selection and deal with multicollinearity.
- Synthesized findings into a **10-page industry report**, presented recommendations on portfolio positioning to senior leadership.

Shanghai Huarui Bank Co., Ltd

Shanghai, China

Big Data Intern

07/2021 – 08/2021

- Developed **customer-churn-probability forecasting models** using **Python**, leveraging **Neural Networks, Support Vector Machines, and CRR Binary Tree model** that mapped relevant terms and effective intervals to the nodes to ensure highly accurate predictions.
- Conducted research to benchmark products against 13 domestic competitors, used **SASS** to track daily message push status of the bank's mobile app.
- Leveraged quantitative models and competitive analysis to drive recommendations and assess financial impact of policy changes.

## PROJECT EXPERIENCE

Visualization for New Product Launch Strategy

11/2024 – 12/2024

- Cleaned and integrated multiple datasets, developed **4 interactive Tableau dashboards** featuring visualizations such as **bar charts, line charts, heatmaps, and maps**, utilizing **variables, filters, and parameters** to track incident locations, fatality patterns, and other key insights that informed product positioning, pricing, and customer segmentation strategies.
- Conducted comprehensive data analysis and visualization in interactive Tableau dashboards, then synthesized the findings into a **5-page report** covering the **4Ps of marketing (product, price, place, promotion)** to generate strategic recommendations.

University of Chicago Summer Program – the influence of demographics on Chicago property tax rate

06/2023 – 07/2023

- Cleaned and manipulated data using **R**, removing **missing values, outliers, and duplicates** to ensure data accuracy and reliability.
- Conducted **exploratory data analysis (EDA)**, including **Mean and Standard Deviation** table, **bar plots** and **histograms** for various years and classes.
- Developed a **Linear Regression Model in R** to study Chicago property tax rates. Leveraged association analysis and predictive modeling to explore factor relationships and establish forecasting models, culminating in a comprehensive **10-page project report**.