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# YANRU "ROSIE" ZHOU

## EDUCATION

09/2017 – 06/2021

**BACHELOR**, CHONGQING UNIVERSITY, CHONGQING, CHINA, FINANCIAL MANAGEMENT

09/2021 – 12/2022 (ESTIMATE)

**MASTER**, BOSTON UNIVERSITY, BOSTON, MASSACHUSETTS, APPLIED BUSINESS ANALYTICS

## ANALYSIS PROJECTS

10/23/2021 – 10/24/2021

### DATA ANALYSIS AND MODELING

- **Content:** Used Flight Etiquette Survey data from 538 package "flying" dataset in R, generated a model to predict.
- **Analysis:** data exploratory using Tableau.
- **Analysis:** cleaned the data and filled in the missing value using one-hot encoding method and KNN model.
- **Modeling:** fitted the data into random forest model and deep neural network model, compared the fitness.

09/28/2021 – 12/07/2021

### NYC REALTY BUSINESS RUNNING CASE: EXPLORATORY DATA ANALYSIS

- **Descriptive analytics:** calculated the basic statistics and display the test results using Power BI.
- **Predictive analytics:** excluded the seasonality factor and capture 3 variables effect the model significantly using R.
- **Prescriptive analytics:** built an optimization model to decide the employment and commission using Excel.

## EXPERIENCE

07/01/2018 – 08/31/2018

**RISK ANALYST ASSISTANCE**, CHONGQING YUZHONG HANHUA MICRO-CREDIT CO., LTD.

- Used annual financial reports to evaluate the possible risk of loaning money to the applied company.

07/01/2019 – 08/31/2019

**ASSISTANT ACCOUNTANT**, GUANGXI BAGUI SUPERVISING & CONSULTING CO.

- Accounting work such as organizing voucher and annual report, printing VAT invoices, etc.
- Performed some cashier's work independently.
- Used accounting software to query, delete and add business activities occurred in the company.

11/20/2021 – NOW

**ASSOCIATE OPERATOR**, ARK TECHNOLOGY

- Built up the user persona profile.
- Innovated new function for anonymous post on ARK APP, increased the DAU by 20%.

## SKILLS

- MySQL
- RStudio
- Tableau
- Power BI
- Python: NumPy, Pandas, Matplotlib, Scikit-Learn, Seaborn
- Microsoft PowerPoint
- Microsoft Excel
- MINITAB
- Lean Six Sigma