

# Siyue Sun

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## EDUCATION

### Northeastern University

Seattle, US

Master of Science, Major in Computer Science – Align

Sept 2023 - Present

- Core Modules: Discrete Structures, Algorithms and Data, Object-Oriented Design, Database Management Systems

### Jiaxing University

Jiaxing, China

Bachelor of Science, Major in Mathematics and Applied Mathematics

Sept 2015 – Jun 2019

- GPA: 3.5/4.0; Rank: 1/60
- Core Modules: Advanced Algebra, Space Analytic Geometry, Mathematical Analysis, The C Programming Language, Microeconomics, Probability Theory and Mathematical Statistics, Financial Mathematics, Data Analysis with SAS Software, Financial Statement Analysis, Financial Engineering, Numerical Calculation, Functional Analysis

## PROGRAMMING SKILLS

- Programming Skills: Java, C++, Python, Verilog, Prolog
- Database: Oracle, MySQL
- DE: Eclipse, Visual Studio Code, IntelliJ
- Other Software: Tableau, MATLAB, R, SPSS, Microsoft Office, PowerBI,

## SKILLS & INTERERTS

- Languages: Mandarin (Native), English (Fluent)
- Interest: Singing, Reading, Exploring, Adventure, Movies, Music

## REPRESENTATIVE PROJECTS

### Business Impact Analysis

- Analyzed the comprehensive Impact of business service to identify critical business functions and assess the potential impacts. Meticulously analyzed and defined the company's expectations and needs for business intelligence, including the topics to be analyzed and the dimensions to view each topic.
- Integrated diverse data sources to provide holistic business insights. Employed advanced analytical techniques, including ARIMA and LSTM models, to perform accurate time forecasting. Used hypothesis testing to verify that the positive impact of business service.
- Collaborated with cross-functional teams to ensure the effective use of appropriate analytical tools and methods, enhancing the quality of data interpretation and business recommendations.

### Data Analysis and Follow-up of Sales Decline Phenomenon

- Finished organizing the order data and processed the table into Dimension Table and Fact Table in EXCEL, and then imported into Power BI to build table relationships, so as to analyze the data in detail.
- Crawled data from relevant websites and completed detailed modeling analysis in terms of sales area, staff distribution, and activity scale to find potential user groups.
- Gave a reasonable solution and dissected the logic of the ideas behind and formed a complete structured thought process.
- Actively used the accumulated past cases to reorganize the status of the company's data and gave full play to the important role in customer profiling and relationship chain research.
- Tagged each customer with demographic characteristics, consumption behavior and interests, and implemented hierarchical clustering and RFM algorithms to complete customer segmentation, thus guiding specific loyalty programs for different customers
- Participated in improving the company's cross-platform data analysis and processing platform, enabling operations staff to build computational flow diagrams and configure process parameters

## REPRESENTATIVE PROFESSIONAL EXPERIENCE

### Beyondsoft Shanghai Co., Ltd.

Shanghai, China

#### Data Analyst

Jul 2022 – Aug 2023

- Maintained several reports daily according to Microsoft's requirement, focusing on enhancing report functionality and accuracy. Resolved technical issues and optimized KPI calculation logic, ensuring data reliability and relevance. Fostered effective stakeholder communication to align report development with business objectives and stakeholder needs.
- Assisted the team to develop Business Impact report, and completed the time forecast through Arima and LSTM models.
- Responsible for providing data processing, permission design, data flow design and report performance enhancement suggestions;

completed report development and optimization to secure user operation and guidance.

- Collaborated with the team to build a unified data model on the "channel collection - basic data - bazaar data - advanced portrait" data flow chain, so that all statistical calculations and algorithm mining are based on a unified data standard.

**Jiangsu Weixiang New Energy Vehicle Co., Ltd.**  
**Statistical Analyst**

**Taizhou, China**  
**Jul 2019 – Dec 2021**

- Responsible for data entry and statistics of product yield data, data cleaning of abnormal data, analysis of cleaned data and writing reports; Docked with various business teams, built data analysis system, and collected effective data indicator system.
- Maintained and updated statistical data platform combined with statistical indicator system and monitoring system through data analysis and completed iterative optimization
- Built a feature library based on behavioral data, transaction data, activity data, product data and equity data, etc., thus providing an intelligent portrait of customers and realizing the full lifecycle conversion of users
- Created data analysis mode, data collection & collation programs, and perfected statistical methods; Conducted business development effect assessment, business diagnosis, and provided data consulting services

**Jiaxing Tigermed Data Management Co., Ltd.**  
**Statistical Analysis Intern**

**Jiaxing, China**  
**Dec 2018 – Mar 2019**

- Assisted with standard operating procedures for clinical trials; Learned the existing SAS code and business logic of the department and independently conducted the statistics, comparison and analysis of data and compiled the sample size calculation program
- Optimized the existing code according to the actual project requirements, thus reducing the code running cost, and completed the table/list/chart drawing and visual analysis
- Updated several SAS datasets according to business requirements and processed the original SAS datasets in Library, filtered observations and variables, removed NULL variables and duplicate variables from observations through SQL procedure steps
- Participated in the review of programming delivery documents in experimental design, including programming specifications

**HONORS & AWARDS:**

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- ✓ First Prize, 6th Zhejiang Provincial College Students' Statistical Survey Scheme Design Contest
- ✓ Third Prize, 2017 China University SAS Data Analysis Contest
- ✓ Third Prize, 2017 National College Students' Mathematical Contest in Modelling (MCM)
- ✓ Scholarships of Zhejiang Provincial Government (three times, 2015-2018)
- ✓ First-class Scholarships for Academic Excellence, Jiaxing University (five times, 2015-2019)
- ✓ Title of 'Excellent Student', Jiaxing University (2015-2016)