

YIFAN LI

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EDUCATION

Tsinghua University

Bachelor of Management, Major in Information Management and Information System

Bachelor of Science, Minor in Data Science and Technology

Sep 2017 - Jun 2021

Beijing, China

- GPA: 3.85/4.0 (Ranking: 1/29)
- Selected Courses: Data Structures and Algorithms, The Principle and Application of Database, Computer Languages and Programming, Practice of Programming, Principles of Economics, etc.
- Won National Scholarship, Academic excellence scholarship, Sports excellence scholarship, etc.

University of Minnesota

Exchange Student, Carlson School of Management

Aug 2019 - Dec 2019

Minneapolis, U.S.A.

- GPA: 3.898/4.0
- Selected Courses: Big Data Engineering and Architecture (Graduate Level), Interactive Data Visualization for Business Analytics, Analysis and Modeling of Business Systems, Introduction to Artificial Intelligence

PROFESSIONAL EXPERIENCE

ByteDance Inc.

Big Data R&D Intern, Jan - June

Data Science Intern, June - Now

Jan 2020 - Present

Beijing, China

- Construct the corporate advertising data warehouse by conducting data modelling and Hive SQL/Spark development. Mainly support the requirements of the “Dou+” team (the ads business affiliated to TikTok), contributing to their OLAP projects including data analytics and business intelligence
- Optimize the alerting mechanism of our A/B testing platform by applying time series data mining techniques. Increase the accuracy of alerting from about 60% to 90%

Continental Automotive Systems (Shanghai) Co., Ltd.

Intern, Industrial Engineering Department

Jul 2019 - Aug 2019

Shanghai, China

- Retrieved data from Oracle Database and applied MicroStrategy Business Intelligence system and KNIME open source platform to complete data mining tasks. Analyzed and predicted important production indicators such as First Pass Yield and logistics shipment, and made interactive visualization charts for the decision makers
- Engaged in the firm’s strategic project, RPA (Robotic Process Automation). Quickly learned and independently developed the first three automatic processes in the firm using UiPath RPA software. Hosted three internal seminars and completed a 115-page tutorial documentation, which promoted RPA’s institutionalization

RESEARCH EXPERIENCE

Research on Price Index Construction and Monetary Mechanism in Fictitious Economy

Research Assistant

Oct 2018 - Jun 2019

Beijing, China

Tsinghua U. SEM, Supervisor: Prof. Wenlan Luo, Prof. Qing Liu

- Participated in the project which was cooperated by Tsinghua and Tencent Internet Innovation Technology Joint Lab, responsible for analyzing and mining transaction data of FIFA Online 3 Game by using Python, and build the econometric model
- Analyze the reasons for game currency inflation and player losing of FIFA Online 3 and give suggestions for the transaction platform, monetary mechanism, etc. of FIFA Online 4 Game

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Ernst & Young NextWave Data Science Challenge

Team Leader, Regional Champion

Apr 2019 - May 2019

Shanghai, China

- Applied Machine Learning techniques to complete the task of predicting the residents’ moving path destinations in the preliminary contest which has more than 2700 global participants. Contributed 80% of the ideas of feature engineering, independently build the workflow framework with Python. Finished model selection and hyper-parameter optimization with my teammate. Eventually, our solution won the fourth place in China
- Made presentation slides using Reveal.js, and stated our thoughts during the exploration clearly, analyzed the prediction result and proposed several business implications with my teammate. Because of our outstanding presentation, we won the championship in the regional final

ADDITIONAL INFORMATION

- Skills: Python, Scala, Spark, SQL, Hive, LaTeX, C, Java, Microsoft Visio, Microsoft Office
- Languages: Native proficiency in Mandarin, Fluent English (TOEFL: 112, GRE: 337)