YING JIN

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EDUCATION

COLUMBIA UNIVERSITY, New York, USA
Master of Science Candidate, Biostatistics, May 2022.

XIAMEN UNIVERSITY, Xiamen, China
Bachelor of Management, Business Management, June 2019. GPA 3.60
Honors: Outstanding Graduate (Top 10%)
     First-class Merit-based Scholarship (Top 10%)
Awards: the Third Prize of the 7th China College Students Innovation & Entrepreneurship Competition
     the Third Prize of the 4th China College Students 'Internet Plus' Entrepreneurship Competition

INTERNSHIP EXPERIENCE

DELOITTE TOUCHE TOHMATSU, Shanghai, China   Feb. 2019-Mar. 2019
Department of Management Consulting
- Handled missing values and outliers of customer data, standardized it by utilizing methods of DataFrame in Python
- Classified customers based on their purchasing habits and other features by applying K-MEANS algorithm with *scikit-learn* module
- Drafted analysis reports and proposed suggestions under the supervision of the director

SINOLINK SECURITIES, Guangzhou, China   Jul. 2018-Aug. 2018
Department of Investment Banking
- Used Excel skillfully for data gathering and financial indicators calculation with PivotTables
- Cooperated with program's supervisor to undertake due diligence, including independent verification of balance with banks, reading financial reports and checking the credit records
- Conducted competition analysis of the Mergers & Acquisitions target firm
- Wrote and arranged working papers

GRANT THORNTON LLP, Xiamen, China   Jun. 2017-Jul. 2017
Department of Administration and Audit
- Sorted, dispatched and recorded incoming and outgoing mail for the office
- Verified whether assets of a real estate company on account books matched with its physical assets

ACADEMIC EXPERIENCE

Courses on Coursera
Data Analysis with Python, IBM
- Used IO modules to access local data and web scraping to access Internet data
- Learned how to manipulate dictionary, set and other important data structures
- Drew figures efficiently with Matplotlib
- Learned to perform data analysis with *scikit-learn* and core packages of SciPy, especially with *pandas*

*Code Free Data Science***,** UCSD
- Designed data science workflows on the KNIME Analytics Platform
- Grasped essential data science skills to design, build, test and evaluate predictive models
- Learned data manipulation, preparation and classification and clustering methods

- Mastered ways to apply data science algorithms to real data, evaluate and interpret the results

Google Online Merchandise Store Customer Revenue Prediction   Oct. 2019-Nov. 2019

Team Leader
- Did *feature engineering* with Python to create new customer transaction and browsing features
- Categorized customers according to their transaction number and history
- Constructed revenue prediction model with Random Forest and Tree Ensemble algorithm on KNIME
- Conducted *undersampling* to improve the performance of the model

Audio Learning Application Developed by Java   Oct. 2018-Jan. 2019

Main Team Member
- Conducted customer requirement analysis
- Developed important user interfaces, including custom play interface, user center and course list, with all sorts of components and methods in JavaFX
- Created Course class to build model for courses and getCourse( ) method to visit course data stored in databases

Analysis of the Factors affecting the Doctors' Online Appointment Number   Apr. 2018-Jun. 2018

Team Leader
- Crawled data from an online doctor appointment platform with Python
- Filtered variables according to Pearson correlation coefficients
- Made assumptions and conducted linear regression analysis, then evaluated the model with VIF, t-value and P-value
- Improved the original model by introducing two new across variables

ACTIVITIES

Volunteer Program at Aihui Autistic Children's Rehabilitation Center   Apr. 2018-Apr. 2018
- Helped children finished their daily rehabilitation training
- Played games with the children

IF Reading Club   May. 2017-
- Hold promotional events and recruited new members
- Organized regular reading salons for members

Teaching Volunteer Program at Hengcuo Primary School   Jul. 2016-Aug. 2016
- Taught pupils in rural area Math and drawing

SKILLS AND INTERESTS

- **Skills:** proficient in C, Java, Python, MySQL, SPSS
- **Interests**: playing the piano, riding bicycles and reading