Chen Fan

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Master of Engineering in Financial Engineering, GPA: N/A   **Expected December 2022**

North Caroline State University, Raleigh, NC
Bachelor of Science in Statistics & Economics (Double Major), **GPA: 4.0**   **May 2021**
Honors: Dean's List (All Semesters)

University of International Business and Economics, Beijing, China
Study Abroad – International Summer Session   **May to June 2019**

Coursework: Mathematical Statistics, Statistical Methods, Statistical Programming-SAS, Statistical Programming-R, Calculus III, Applications of Differential Equations, Regression Analysis, Econometrics II

SKILLS

Technical: Python, R, SAS

EXPERIENCE

Product Manager Assistant*, Investment Banking Dept. of China Merchants Bank,* Xiamen, China   **Sep. 2020 to Nov. 2020**
- Used Excel to screen target customer groups, and recommended initial matching wealth management strategy according to customer assets
- Assisted the product manager in organizing team reports and performance progress

Data Analyst*, Qutke Technology (Xiamen) Co. Ltd,* Xiamen, China   **Mar. 2021 to Jul. 2021**
- Used Python to analyze the price relationship with crude oil and gasoline and found the price variance
- Design Operating manual for an operational system that collects retail investor' stock and manage these stock

PROJECTS

Fraud Detection by Machine Learning, *University of Southern California, remote*   **June 2020**
- Built expert variables specifically for fraud detection, including using entities, profiles, filling in missing fields, and encoding categorical fields
- Applied machine learning methods (such as linear/logistic regression, support vector machines, boosted trees, and random forests) to the dataset of expert variables and built a working credit card fraud detection algorithm
- Investigated the fraud detection rate and false negatives/positives of the KS model

A Statistical Analysis of the Climate Change in Ten Chinese Cities Using SAS, *North Carolina State University, Raleigh*
      May 2020
- Collected data consisting of at least 20,000 days on record for each city from GHCN (Global Historical Climatology Network-Daily), and cleaning it using R
- Built the expert variables via grouping records by selected fields, and evaluate the best model using both forward and backward method to predict temperature using the known variables

LEADERSHIP EXPERIENCE

Peer Mentor, *North Carolina State University Poole Management,* Raleigh, NC   **Oct. 2018**
- Revised exam answers and discussed the correct answers with professor
- Help to grade the exam of the classes of 300+ students

Grader, *North Carolina State University Dept. of Mathematics,* Raleigh, NC   **Sep. to Dec. 2019**
- Took a new Korean student visit the campus and taught him how to start a new semester

ACTIVITIES/INTERESTS

Exchange Student Mentoring; Gardening; Volunteering