

Heyuan (Henry) Gao

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EDUCATION

Brandeis University International Business School	Waltham, MA
Candidate for Master of Science in Business Analytics (STEM-Designated) GPA: 3.95	12/2020
<i>Relevant Coursework:</i> Analyzing Big Data, Python in Business Analytics, Applied Econometrics with R, Financial Management, Information Visualization, Machine Learning and Data Analysis for Business and Finance, Fundamentals of Computational Linguistics, Forecasting in Finance and Economics	
Fudan University	Shanghai, China
Bachelor of Science in Biology Science	06/2019
<i>Relevant Coursework:</i> Introduction to Database, Data Structure, Algorithm Design and Analysis, Probability Theory & Mathematical Statistics, Advanced Mathematics, Linear Algebra, C Programming, Neural Network & Deep Learning	

ACTIVITIES

Technical Skills: Python, R, SQL, Tableau, SPSS, MS Office, LaTeX, C/C++, Java, Machine Learning, NLP
Activities: Vice President of Fudan Expedition Volunteer Association, Co-founder of We Share Charity Organization, volunteer teaching team leader in Yunan Province
Languages: Mandarin (Native), English (Fluent)
Interests: Marvel movies, American TV-series, suspense drama and novels

WORK EXPERIENCE

Ping An Technology Co. Ltd. (Subsidiary of Ping An Insurance Group)	Shanghai, China
Algorithm Engineer Intern	09/2018 - 03/2019
<ul style="list-style-type: none">Established financial health model and fraud detection model using Light Gradient Boosting Machine (LGBM) to assess financial risk of 4000+ companies and improved model prediction ability to 85% precision rate and 90% recall rate from 60% and 70% respectivelyDeveloped a Python package to automatically generate 300+ Intelligent Expert Rule indicators, including bond, industry, macroeconomic and corporate financial indicators; analyzed data with WOE binning method to classify bond risk levels with 90% recall rate on dataset of 2018Built distributed version control platform based on Ping An Cloud Service and Git; helped colleges deploy this platform to avoid code clash and for further usage, resulting in accelerating Intelligent Expert Rule project by one week	
Personal Health Consulting Co. Ltd.	Shanghai, China
Data Analyst Intern	02/2018 - 06/2018
<ul style="list-style-type: none">Analyzed 12 loci of 3000 samples of clinic trials data on SPSS and found correlation between 5 specific loci and Alzheimer's DiseaseApplied Python to crawl 2000 food photos from a cuisine app and collected preferences upon these photos from 20 colleagues to provide data and label for "Food Photo Rating" machine learning model	

ACADEMIC TEAM PROJECT

Fudan University	Shanghai, China
Root Cause Analysis of Delivery Errors, Amazon	06/2018 - 09/2018
<ul style="list-style-type: none">Visualized delivery errors in each province using bar chart and map plot in Tableau; generated a Dashboard Report to investigate root cause and proposed adjusting carriers' schedule to ensure on-time delivery and last-mile delivery capacityConstructed a random forest model with R based on 6 indicators including goods inbound history, page view, and vendor number; forecasted attributes of inventory with 87% sensitivity and 89% specificity	
Enterprise Database for Gene Detection	06/2018 - 09/2018
<ul style="list-style-type: none">Deployed mySQL to construct a database; designed back-end servlet, Java Bean and DAO structure with JavaUtilized Java Scripts and XML for front-end web development; enabled users to register and login, delete and edit their info; allowed researchers to query, fill, delete and alter gene info	