YAWEN YE

yeyawen171@utexas.edu
1715 Guadalupe • Austin, 78701 • (206) 612-1352

EDUCATION

The University of Texas at Austin	Master of Science, Business Analytics Coursework Includes: machine learning, data mining, Time series, Data Analytics Programming, Database Management	May 2017
University of Washington	Bachelor of Science, Applied Mathematics and Economics Coursework: Computer programming in JAVA, Data Structure, Real Analysis, Probability, Linear and Non-linear optimization *Overall GPA: 3.65*	June 2016
University of Washington - Study Abroad	English Department Experiential Learning Program in London	Summer 2013

EXPERIENCE

PricewaterhouseCoopers – *Actuarial Advisory Intern;* Beijing, China   July – September 2015
- Assisted in simulating different bankruptcy conditions based on company's financial status and stress scenarios
- Applied compensation schemes to the bankrupted companies; utilized Excel and Access to quantify the compensation impact under different salvage deductibles, salvage limits, and salvage ratios
- Inspected the HTML of a local Chinese insurance company's website and wrote a Python script to retrieve the targeted data from server; used R to parse the data into organized table

Central China Securities Co., Ltd – *Research Intern;* Beijing, China   August – September 2013
- Collaborated with senior analysts to develop deep company research reports covering specific industries
- Analyzed and predicted financial ratios using multiples and DCF model based on current financial statements, company operation assessments, and market environment outlook
- Maintained and updated data in the prediction model and made adjustment according to industry projection
- Assisted in drafting equity research reports

ACADEMIC PROJECTS

Recommending Hotels based on Expedia Historic Data   Summer 2016
- Applied Spark SQL to organize customer information and build a customer hotel recommendation algorithm based on 4GB customer records. New algorithm increased the accuracy of machine learning algorithm by more than 100 percent
- Built hotel prediction model based on customer's records with 26 features, and trained model with machine learning algorithm such as Random Forest, K-NN, Gradient boosting by using python scikit-learn package
- Decoded the customers' demographic information and visualize customers' booking behaviors during Christmas day

Image Data Compression project in JAVA   Winter 2016
- Developed a JAVA application to compress a high volume of pixel data
- Implemented an image pixel popularity algorithm to generate the best color representation of image
- Implemented a Hash table and all data abstraction to store and manage the color information in an image
- Used JAVA Swing library to create a Graphical User interface to import and compress image

LEADERSHIP EXPERIENCE AND ACTIVITIES

Department of Information Systems and Operations Management – *Research Assistant*   January – March 2015
- Studied Omni-Channel supply chain papers published by Retailed System Research (RSR)
- Applied a dynamic programming technique to solve for the inventory distribution between online and offline retailing

ADDITIONAL INFORMATION

Computer Skills: JAVA, Python, R, Hadoop, SAS, SPSS, MatLab, SQL, STATA
Languages: Fluent in English, Fluent in Chinese, Conversational in French
Interests: Intramural soccer, chess, classical guitar
Work Eligibility: Extended eligibility to work in the U.S. due to S.T.E.M. certification; will require visa sponsorship for long-term employment