

Hanyi Xu

765-421-5022·dearhy16@gmail.com·Seattle.WA.98052

EDUCATION

Rice University, Houston, TX

Aug 2016 - December 2017

Professional Master in Statistics (M.Stat.); GPA: 3.82

Purdue University, West Lafayette, Indiana

Aug 2011 - May 2015

Bachelor of Science, Actuarial Science and Applied Statistics; Minor: Management and Economics; GPA: 3.40

WORK EXPERIENCE

Microsoft, Seattle, WA

March 2018 - Now

Data Scientist

- Automated process supporting data transformation, data structures, cleaning metadata, dependency and workload management, and performed root cause analysis to answer specific business questions around Windows devices retention & churn and Windows Monthly Active Devices metric
- Developed and monitored KPIs for Monthly Active Devices metric to ensure accuracy reporting, which is shared in quarterly company announcement to the public
- Construct Windows Server telemetry pipeline, support requests on Windows Server adoption as well as business migration from on-premises to cloud, and developed reporting dashboard in PowerBI with user-friendly visualization and manipulation
- Applied ML model aiming at improving the quality of Microsoft Azure deployments (cloud service updates) that speed (rollout completion time) and risk are optimized leveraging tools such as R, Python, Azure Data Explorer, Visual Studio, Azure Databricks

Enerflex Ltd., Houston, TX

May 2017 – December 2017

Statistical Analyst

- Compiled and performed statistical analysis in R and Excel on data related to prices, client relationships, technical offering, timing of project execution and other influential factors to seek pattern from historical bidding process to improve execution efficiency
- Built logistic regression models predicting the winning probability of incoming bids, involving variable selection, statistical testing and data cleaning, and reconstructed data collection pipeline
- Implemented and productionized the model in a user-interface app using R Shiny package for simplified manipulation and data visualization and improved forecasting accuracy of profit margin to optimize business revenue
- Analyzed weekly global oil market, cost of manufacturing drivers, seasonal fluctuation of operation efficiency, customers' satisfaction in SQL Server, provided actionable insights and business conclusions to senior management team

Ricepo LLC, Chicago, IL (*an E-Commerce food delivery platform*)

August 2015 – April 2016

Business Analyst, Business Development Department

- Developed and managed long-term operational relationship with local partners for business expansion in five major mid-west cities
- Addressed unstructured problems, collaborated with cross-functional teams, initiated new hiring methods and compensation policies, established new payroll system to **reduce operational cost by 39%** for business efficiencies improvements
- Tracked and researched users' behaviors, designed eye-catching advertising brochure and promotion events to **increase average daily order numbers by 230%** in three months to achieve higher productivity and profitability of product
- Communicated daily with internal developers and external users to resolve operational problems, improving customer experience

LEADERSHIP AND ACTIVITIES

Presenter, Microsoft Mn Migration Summit

Dec 2019

Second place, Rice Good Voice, Rice University

Sep 2017

President, HongKong Student Association, Purdue University

April 2014 – May 2015

- Initiated the first Cantonese Singing Contest on campus with approximately 2000 event followers
- Filmed "Purdue Cantonese classroom", a popular video series on teaching Cantonese via Youtube
- Raised funds through corporate and educational sponsors, receiving \$4600 in total to bolster events

Founder, Chinese Acapella Club, Purdue University

May 2015 – May 2016

SKILLS AND INTERESTS

Technical Skills: R, Python, SQL Server, PostgreSQL, Microsoft data processing tools, SAS

Certifications: Actuarial Exam Probability (2013); Actuarial Exam Financial Mathematics (2014)

Languages: Fluent in English; Native Mandarin and Cantonese speaker

Interest: Tennis; Sketching; Hiking; Event Planning; Skateboard; Social Psychology