Hongling Lei

Rm 2-9-2, No. 205 Beinan Blvd, Chongqing   honglinglei.github.io   www.github.com/HonglingLei

+86 159-5925-3153   leihongling1998@163.com

EDUCATION

2020 Fall Admissions: Duke University MQM: BA, Carnegie Mellon University MISM-BIDA, UT Austin MSBA

Xiamen University   China
BEcon in Finance. GPA 3.81/4.0   *Sept. 2016 – Jun. 2020*
Relevant Courses: Java, Database, Data Science, C, Statistics, Mathematical Analysis, Probability Theory, Linear Algebra

University of California, Berkeley   U.S.
Semester Exchange, Multidisciplinary Program. GPA 3.95/4.0   *Jan. 2019 – May 2019*
Relevant Courses: Data Analysis (Python), Computing with Data (R)

Nanyang Technological University   Singapore
Summer Exchange, Digital Marketing. GPA 5.0/5.0   *Jun. 2018 – Jul. 2018*

PROFESSIONAL EXPERIENCE

DiDi Chuxing Technology Co.   Beijing
Data Analyst Intern, Decision Support Department   *Sept. 2020 – Nov. 2020*
- Constructed a driver-service-value information system with team through ETL and data pipeline management
- Developed a market sizing model which discovers the fluctuation patterns of driver and order numbers, derives the optimal supply-demand equilibriums, and alleviates rush hour transportation pressure in 14 cities
- Supported business and strategy decisions by extracting and analyzing billions of data points on Apache Hive
- Designed and monitored dashboards that can automatically update data and visualize analytical results

Bairong Yunchuang Technology Co.   Shenzhen
Data Scientist Intern, Financial Technology Department   *May 2020 – Aug. 2020*
- Built a semi-supervised learning model using the MixMatch algorithm with PyTorch, which can classify customers into different groups based on credit default risk predictions, achieving 90% accuracy
- Developed a report generation program with over 2,000 lines of Python code, which automatically calculates performance indicators, graphs statistical distributions, produces analysis texts, and creates formatted slides
- Tested over 200K Excel rows with VBA, ensuring data quality before sending them to clients

LexinFintech Holdings Ltd.   Shenzhen
Data Management Intern, Big Data Intelligence Department   *Aug. 2019 – Sept. 2019*
- Analyzed over 667K real-time customer profile data using HiveQL; developed a real-time interactive web report with a search function and visualized results based on Kafka and Spark streaming
- Participated in the Financial Statement Project: extracted 44 testing samples that covered all situations from 170M financial data for the Risk Management Department, shortening report generation time from 3 days to 2.5 hours
- Performed database consistency checks by sorting and fixing abnormal jobs through checkpoint recovery

PROGRAMMING PROJECTS

Java | Letter Grader [GitHub]   *Jun. 2020*
- Developed an object-oriented program that determines the letter grade of students using class, objects, exception handling, and collection

Python | Association Rule Mining [GitHub]   *Oct. 2019*
- Utilized supermarket receipts to analyze associations (support, confidence, and lift) between consumer goods
- Optimized algorithm designs in association rule mining, speeding up the execution process from 8 mins to 0.4s

R | Package Development [GitHub]   *Apr. 2019*
- Published an R package called "binomial" that tests the validity of inputs, calculates the probability based on given parameters, graphs the distribution, and displays a summary of skewness, kurtosis, etc.

Python | Angry Projectiles *(Team Member, with 2 Google Engineers)* [GitHub]   *Mar. 2019*
- Applied aerodynamics knowledge and Newton's method using NumPy and SciPy
- Developed a throwing game that simulates the launch, studies the motion, and animates the trajectory of projectiles

R | Shiny App Development [GitHub]   *Mar. 2019*
- Developed a user-interactive web app that can forecast investment returns and graph the growing trend

ACTIVITIES/AWARDS

XMU Business Elite Club, Deloitte Club, Student Union in Department of Finance (President of the Academic Sector)
University Merit Scholarship (top 0.5%), Student Honors Program (top 2%), Academic Excellence Award (top 10%)

TECHNICAL SKILLS

Programming/Software: Python, R, SQL, Java, C, HTML, TensorFlow, PyTorch, Apache Hive, Meltwater, SEMrush
Languages: Mandarin Chinese (native), English (fluent, TOEFL 116 with Speaking 30), Korean (basic)