Hongling Lei

220 Furong 5, 422 Siming S Rd, Xiamen · honglinglei.github.io · +86 159-5925-3153 · www.github.com/HonglingLei · leihongling1998@163.com

EDUCATION (Deferred MISM-BIDA Student at **Carnegie Mellon University**)

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

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

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

PROFESSIONAL EXPERIENCE

Bairong Technology, Inc. — Shenzhen
Data Analyst Intern, Financial Technology Department — *May 2020 – Present*
- Developed a Python-based report analysis program, which automatically calculates performance indicators, graphs statistical distributions, generates analytical paragraphs and creates well-formatted slides
- Built a semi-supervised learning model using MixMatch and TSVM based on PyTorch; conducted feature engineering, data augmentation, model training and parameter tuning
- Tested over 200K data with VBA and Python; organized matching rates, calculated differential distributions, visualized analytical results, etc.

LexinFintech Holdings Ltd. — Shenzhen
Data Analyst Intern, Big Data Intelligence Department — *Aug. – Sept. 2019*
- Analyzed over 667K real-time customer profile data using Hive, Spark and SQL; developed an interactive web report with a search function and visualized results, which automatically update daily
- Participated in the Financial Statement Project: extracted 44 testing samples that covered all situations from 170M financial data for the Risk Management Department, helping to shorten generation time from 3 days to 2.5 hours
- Performed database consistency checks, sorted and fixed abnormal jobs through checkpoint recovery

YIYI Capital — Beijing
Summer Intern, Venture Capital — *Aug. – Sept. 2018*
- Participated in due diligence, financing and public relations incubation processes of two invested start-ups
- Assisted general partners of the VC and the CEO of a media start-up in successfully making a deal with a Swedish corporation; interpreted for both sides when needed, and independently negotiated with the CTO of the client
- Attended roadshows in Shanghai and a global blockchain conference; documented conference key takeaways

PROGRAMMING PROJECTS

Association Rule Mining [GitHub] — *Oct. 2019*
- Utilized supermarket receipts to analyze associations (support, confidence, lift, etc.) 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.

Angry Projectiles *(Team Member, with 2 Googlers)* [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

Shiny App Development [GitHub] — *Mar. 2019*
- Developed a user-interactive web app which can forecast investment returns and graph growing trends for users

NBA Performance Analysis [GitHub] — *Feb. 2019*
- Constructed shot charts, calculated the 2-pointer, 3-pointer and overall effective shooting rates, and derived the most suitable positions for five players, respectively

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%), etc.

TECHNICAL SKILLS

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