

# Hongling Lei

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## EDUCATION (Incoming MISB-BIDA Student at Carnegie Mellon University)

### Xiamen University

BEcon in Finance. GPA 3.89/4.0 (by WES)

China  
Sept. 2016 – Jun. 2020 (expected)

Coursework: Java, Database, Data Science, C, Statistics, Mathematical Analysis, Probability Theory, Linear Algebra, etc.

### University of California, Berkeley

Semester Exchange, Multidisciplinary Program. GPA 3.95/4.0

U.S.  
Jan. – May 2019

Coursework: Data Analysis (Python), Computing with Data (R), etc.

### Nanyang Technological University

Summer Exchange, Digital Marketing. GPA 5.0/5.0

Singapore  
Jun. – Jul. 2018

## PROFESSIONAL EXPERIENCE

### LexinFintech Holdings Ltd.

Data Analyst Intern, Big Data Intelligence Department

Shenzhen  
Aug. – Sept. 2019

- Transformed, cleansed and analyzed over 667K real-time customer profile data using Apache Hive, Spark and SQL; developed an interactive web report with a search function, provided the visualized results for the Fintech Product Department, and automated the calculation process that enabled the report to be updated 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 flawed tables based on importance identifier and job dependency calculations, and fixed abnormal jobs through checkpoint recovery

### HOPU Investment Management Co., Ltd.

Part-time Assistant, Private Equity

Remote  
Sept. – Oct. 2018

- Conducted desk research regarding the industry chain, customer segments, evolution and market size throughout the whole coworking industry in both China and the US
- Created company portfolios of 7 major players including WeWork, UCommune, and Kr Space, with firm-specific analysis of profit models, cost management, competitive edges, M&A strategies, backgrounds of investors and founders. Performed evaluation analysis based on companies' historical financing data
- Participated in in-depth interviews of the CMO and senior managers in target investees; constructed 5 documents of facts and analysis based on the internal information gained through those expert calls

### YIYI Capital

Summer Intern, Venture Capital

Beijing  
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, Apache Hive, Apache Spark, Meltwater, SEMrush  
**Languages:** Mandarin Chinese (native), English (fluent, TOEFL 116 with Speaking 30), Korean (basic)