

# Hongling Lei

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

### Xiamen University

BEcon in Finance. GPA 3.81/4.0

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

China

Sept. 2016 – Jun. 2020

### University of California, Berkeley

Semester Exchange, Multidisciplinary Program. GPA 3.95/4.0

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

U.S.

Jan. – May 2019

### Nanyang Technological University

Summer Exchange, Digital Marketing. GPA 5.0/5.0

Singapore

Jun. – Jul. 2018

## PROFESSIONAL EXPERIENCE

### Bairong Technology, Inc.

Data Analyst Intern, Financial Technology Department

Shenzhen

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 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.

Data Analyst Intern, Big Data Intelligence Department

Shenzhen

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

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

### 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, 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.

### Python | 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

### R | Shiny App Development [GitHub]

Mar. 2019

- Developed a user-interactive web app which can forecast investment returns and graph growing trends for users

### R | NBA Performance Analysis [GitHub]

Feb. 2019

- Constructed shot charts, calculated effective shooting rates, and derived the most suitable positions for players

## 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)