Bin Li

Data Scientist & FRM

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📍 Arnhem, the Netherlands

🔗 [LinkedIn](#) | [GitHub](#) | [Blog](#)

EDUCATION

Sep 2023 – Feb 2025
MSc. Data Science and Society
GPA: 8.0 / 10.0
Tilburg University, the Netherlands

Sep 2012 – Jun 2016
BSc. Business Administration
Southwest University of Science and Technology, China

CERTIFICATIONS

Financial Risk Manager (FRM)
Completed CFA Program Level I

SKILLS

Data Mining
Machine Learning
Deep Learning
Financial Modeling
Due Diligence
Financial Risk Analysis
Full Stack Development

TECH STACK

Data Science: Python, R, scikit-learn, scikit-image, TensorFlow, seaborn;

Database: MySQL, MongoDB;

Cloud Engineer: Linux, Vim, Azure DevOps, Git, RESTful API;

Web Development: React.js, Django, Tailwind CSS, Node.js;

LANGUAGES

English (Fluent)
Chinese (Native)

HOBBIES

Bass guitar, Blogging, Bouldering, Coding, Chess;

WORK EXPERIENCE

Machine Learning & AI Intern
May 2024 – Oct 2024
RNHB — *Utrecht, the Netherlands*

- **Machine Learning:** Conducted Exploratory Data Analysis (EDA) and developed an optimized machine learning model for customer segmentation using scikit-learn and SHAP, improving performance and interpretability in credit risk management.
- **ETL Pipeline:** Built an end-to-end ETL pipeline by extracting data from historical PDF files and web scraping using Python (pdfplumber, scikit-image, BeautifulSoup, RegEx). Cleaned and transformed the data, then stored it in a data warehouse using SQL scripts for streamlined analysis and stress-testing.

Consultant
Sep 2023 - Dec 2023
180 Degrees Consulting — *Tilburg, the Netherlands*

- **System Design:** Led the digital transformation for the Ukrainian animal shelter YAPL by spearheading the design of a scalable system architecture.

Financial Risk Analyst
Oct 2021 – May 2023
Dingshenghechuang Investment Management Co. Ltd. — *Beijing, China*

- **Financial Statement Analysis and Modeling**: Executed comprehensive financial due diligence and employed valuation models (DCF, NPV and P/E) to support investment decisions, resulting in €2.5M in successful project funding.
- **Reporting and Communication**: Produced quarterly risk reports for 19 funds, totaling over €40M in assets, disseminating key risk insights and recommendations to senior management and stakeholders.
- **Process Automation**: Developed an automated [Python script](#) that reduced documentation drafting time from 3 hours to just 10 minutes.
- **Website Development:** Configured a Linux cloud server and deployed the company's official website using the MERN stack (MongoDB, Express, React, Node.js), ensuring seamless functionality and scalability.

Investment Analyst
Jul 2017 - Oct 2021
Dingshenghechuang Investment Management Co. Ltd. — *Beijing, China*

- **Financial modeling**: Spearheaded financial forecasting, budgeting, and sensitivity analysis for a €2.25M portfolio, achieving a 225% IRR on investment returns.

Investment Associate
Feb 2017 – Jul 2017
Dingshenghechuang Investment Management Co. Ltd. — *Beijing, China*

- **Due Diligence Support**: Supported the investment manager in conducting due diligence and assembling due diligence reports.

EXTRACURRICULAR ACTIVITIES

- Jan 2024 – Jul 2024   [National SDG Challenge](#)
  Collaborated with IBM to develop data-driven financing solutions for the shipping industry, supporting sustainable development initiatives.
- Apr 2023 – Feb 2024   [Manning Publications](#)
  Manuscript reviewer for the book *Django in Action*.
- Jul 2022 – Aug 2023   [freeCodeCamp](#)
  Volunteered as a localization contributor and recognized as a **freeCodeCamp Top Contributor for 2022 and 2023**.
- Jan 2022 – Present   [Open Source Contributor](#)
  Contributed to various open-source projects, including feature development, algorithm optimization, debugging, and documentation.