FENG, Xinran 冯歆然

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WORK EXPERIENCE

System Architect, Industrial and Commercial Bank of China (2023 - now)

Awards: Outstanding mentor (2022)
• Guiding team members in modeling, development jobs and product designing;
• Building, improving and supporting the product development process;
• Managing product feature requests and tasks in the team.

Data Scientist, Industrial and Commercial Bank of China (2019 - now)

Awards: Excellent Release (2021 3rd Quarter), Outstanding Developer (2021 4th Quarter)
• Training and deploying NLP models;
• Developing NLP solution pipelines;
• Reviewing breakthroughs in AI and Fintech;
• Hosting courses on AI modeling.

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EDUCATION

University of Maryland, College Park — Master of Quantitative Finance (2016 - 2018)

GPA: 3.62/4
Highlight Courses:
        Financial Econometrics I (B+);
        Financial Econometrics II (A);
        Financial Engineering   (A);
        Financial Programming   (A);
        Financial Mathematics   (B)

University of California, Berkeley — Exchange Student (2015)

Highlight Courses:
        Intro to Syntax and Semantics (A-);
        Literature and Linguistics (A);
        Academic Writing (A-)

Xi'an Jiaotong University — Bachelor of English (2012-2016)

GPA: 3.58/4.3 (Rank top 20%)
Awards:
        2012 Siyuan Scholarship;
        2012 Outstanding Student;
        2013 Siyuan Scholarship.
Highlight Courses:
        Advanced Mathematics (97);
        C# Programming (78);
        Introduction to English Lexicology (92);
        English Grammar (85);
        Introduction to Applied Linguistics (89).

PROJECTS

New Technology Reviewing (2019-2022)

• Writing reports on Prompt Learning and testing open-source Prompt Learning toolkits;

• Writing the draft of the review on the fairness of machine learning;

• Writing monthly reports on the latest breakthroughs in Artificial Intelligence and Fintech;

• Writing and applying for patents (5 patents in disclosure, unissued).

NLP Modeling (2020-2023)

• Text classification modeling with loan department and customer service department;

• Information extraction modeling with text classification and named entity recognition;

• Reviewing and developing NLP solutions and demos for long sequence text.

Chatbot Development (2020-2022)

• Reverse engineering and replicating the target product;

• Study and deploy recalling models based on Faiss and develop chat service;

• Developing chat service for metahumans based on deep learning and Elasticsearch.

NL2SQL (Natural Language to SQL) Modeling (2021-2022)

• Searching for machine learning and deep learning solutions;

• Generating training data;

• Training the models and develop Flask service.

Hosting Courses in AI Modeling (2022)

• Teaching the practices of machine learning modeling;

• Teaching basics and practices of deep learning and NLP;

• Sharing experiences and tricks in machine learning.

Developing Machine Learning Platform (2019-2023)

• Packaging machine learning pipelines based on spark;

• Developing deep learning pipelines based on docker container;

• Developing case-specific models for different scenarios.

SKILLS

English: TOEFL: 106 (R: 29, L: 29, S: 22, W: 26);

Python: 3.5 years' experience;

PyTorch: 2 years' experience;

Docker: 2 years' experience;

Linux: 2 years' experience;

R, Matlab, SAS: 1 year experience;

Financial Risk Manager - Certified by the Global Association of Risk Professionals.