Chenfei Xiong

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Summary

- Proficient in JavaScript, Java, and Python with strong full-stack development skills.
- Knowledgeable in computer networks, design patterns, and data structures.
- Passionate, quick learner committed to mastering the new software development technologies.
- Adaptable team member with experience in cross-cultural work environments.

Education

University of Zurich
MA in Computational Linguistics and Language Technology

Sep. 2022 – Present
Zurich, Switzerland

- Minor: Neuroinformatics
- Relevant Coursework:
  * Data Structures and Algorithms
  * Software Construction
  * Software Engineering
  * Computer Networks and Distributed Systems
  * Foundations of Data Science
  * Fundamentals of Software Systems

Huazhong University of Science and Technology
BEng in Materials Science and Engineering

Sep. 2018 – June. 2022
Wuhan, China

- Thesis: Robotic Path Planning Algorithms

National University of Singapore
Summer School

May. 2021 – Dec. 2021
Singapore, Singapore

Professional Skills

Programming Languages: JavaScript, Java, Python, C++
Front-end Frameworks: React, Vue.js
Back-end Frameworks: Express.js, Spring Boot, Django
Databases: PostgreSQL, MySQL, MongoDB, Redis
Tools: Docker, Git

Language Skills

English: Professional (C1)
Chinese: Native
German: Beginner

Experience

Social Network Data Analysis
Research Assistant

May 2021 – February 2022
Hong Kong Baptist University

- Developed scripts for efficient data collection and preprocessing, handling large-scale social media datasets.
- Applied algorithms to classify misinformation, improving the accuracy of information analysis.
- Created data visualizations to illustrate the spread of information across time and geographical locations.

Projects

Jobify: Job Application Tracking System | *React, Node.js, Express.js, MongoDB, JWT, Cloudinary*   **Aug 2024**

- Created a responsive UI using **React** and **JavaScript**.
- Built **RESTful APIs** with **Express.js** and **MongoDB**, enabling persistent data management and retrieval.
- Implemented user authentication with **JWT** and optimized media management through **Cloudinary** integration.
- Integrated **recharts** for interactive application statistics visualization.
- GitHub: github.com/imred42/Jobify

JoyJoin: Event Management Platform | *Java, Spring Boot, Vue.js, JWT, AWS, Docker*   **May 2024**

- Collaboratively developed a web-based event management platform in a diverse, cross-cultural team using **Scrum** Agile methodology.
- Created an intuitive, responsive UI with **Vue.js** and **JavaScript**.
- Designed and implemented a scalable **microservices** architecture with **Spring Boot** and **Java**, implementing efficient **RESTful APIs**.
- Developed a secure user authentication system using **JWT**.
- Leveraged **Docker Compose** for efficient multi-container application management and environment consistency.
- GitHub: github.com/imred42/JoyJoin

Stratego Online: Multiplayer Strategy Game | *Java, Spring Boot, React, WebSocket*   **May 2023**
- Created a responsive UI with **React** and **JavaScript**.
- Architected a high-performance game server using **Java** and **Spring Boot**, implementing sophisticated real-time gameplay mechanics to support concurrent sessions for multiple users.
- Integrated **WebSocket** for real-time updates, significantly reducing move latency and improving player experience.
- GitHub: https://github.com/imred42/Stratego-Online