

Hao Chen

Looking for Graduate Software Engineer or Business Analyst roles



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EDUCATION

M.S., Business Analytics (**STEM**), [University of Edinburgh](#) 2023 – Present

Upper second class honours (2 : 1)

- **Core courses:** Prescriptive Analytics with Mathematical Programming, Predictive Analytics and Modelling of Data, Python Programming, Data Analytics
- **Self-study:** Algorithms and Data Structures

B.M., Accounting, [Nanjing Agricultural University \(China 211 Project \)](#) 2019 - 2023

First class honours

- **Core courses:** Big Financial Data Analysis(A), Python Programming(A), Management Information System(A), Applied Statistics, Linear Algebra(A), Calculus, Probability Theory and Mathematical Statistics

SIDE PROJECTS

[RedBook photo-sharing Social Media Platform](#) FULL-STACK

React / TailwindCSS / JavaScript / Node.js / Sanity ([GitHub Source Code](#))

- Improved user experience by implementing Masonry Layout, resulting in a 25% increase in user retention rate.
- Implemented real-time content recommendations based on user search and enabled user engagement through features like commenting and liking functionality.

[Red-Messenger Real-time Chat App](#) FULL-STACK

React / TailwindCSS / TypeScript / MongoDB / Prisma ([GitHub Source Code](#))

- Implemented user authentication with Google and GitHub, reducing signup time by 75% and increasing user engagement.
- Reduced chat messaging latency between multiple concurrent users by 67% by implementing real-time updates with Pusher API.



EXPERIENCE

Front-end Developer Intern, Sailing, Shantou Remote/Guangdong, China Jun 2023 - Aug 2023

React / JavaScript / CSS

- Optimized CSS code and collaborated with the frontend team to improve the user interface of the application.
- Implemented features in React components to handle POST and GET requests for efficient communication with the backend.

Financial BP Intern, [BIGO](#), Guangzhou, Guangdong, China May 2022 – Aug 2022

Python / Excel / VBA / PowerBI

- Utilized Python, Excel, VBA, and PowerBI to track, monitor, and analyze user data from [Likee](#), improving user experience, retention, and conversion.
- Alleviated the workload pressure on the finance team by developing VBA programs to simplify and automate 80% of monthly tax declaration calculations, thereby streamlining the process effectively.
- Significantly reduced onboarding and transition challenges for the role by creating a comprehensive cloud synchronization workflow guide.



SKILLS AND HOBBY

- **Technical Stack:** React, JavaScript, Python, Node.js, CSS, TailwindCSS, MongoDB, MySQL, GIT, jQuery, HTML, Tableau, PowerBI
- **Hobbies:** football, cooking