

Haoyu Dong

+852 46720879 | [WhatsApp](#) | hidaviddong@gmail.com | [GitHub](#) | [LinkedIn](#) | [Website](#)

Skills

- Experienced in full-stack development with React, Vue.js, TypeScript, Node.js, MySQL, MongoDB.
- Experienced in web scraping and automation using Puppeteer.
- Knowledge of basic DevOps in Docker containerization, Jenkins pipelines, GitHub Actions, Cloudflare.
- Skilled in team collaboration tools like Notion, Slack, and GitHub for project management and version control.
- Skilled in design tools like Figma for UI/UX prototyping and Blender for 3D modeling.

Work Experience

Famous Raise Ltd
Full Stack Developer Intern (Remote)

2024/09 – 2024/10
Hong Kong

- Building a generic blog crawler backend API with Express.js, MongoDB, Puppeteer.

PKU-Changsha Institute for Computing and Digital Economy
Web Developer

2023/07 – 2024/07
Changsha, China

- Core developer for a large language model chatbot and several data visualization projects.
- Designed CI/CD multi-environment deployment pipelines for our most JavaScript projects.

Tencent Music Entertainment
Web Developer Summer Intern

2022/05 – 2022/10
Shenzhen, China

- Responsible for several high-traffic pages, including the live room widget and leaderboard in QQ Music and WeSing.

Projects

Feeder

 [Demo](#)

- Architected a scalable blog content aggregation API using Puppeteer and Node.js, enabling automated content extraction through configurable URL patterns and CSS selectors.
- Implemented AI-powered article summarization feature to generate concise content previews, enhancing user reading experience.
- Designed error handling with BullMQ job queue system for failed scraping attempts, ensuring reliable content delivery through automated retry mechanisms.

Large Language Model Chatbot

 [Demo](#)

- Responsible for implementing key features such as user system, image/text chatting, literature search, and plugin systems.
- Utilized SSE for streaming text output. Managed server state with React Query and implemented optimistic updates to enhanced user experience.

Data Visualization Projects

 [Demo](#)

- Developed interactive features including charts, world maps, and other dynamic visual effects using ECharts.
- Performance optimization techniques for loading 3D models, such as model compression, removing faces and baking textures.
- Using Three.js and GSAP to achieve smooth transitions between different perspectives of the scene.

Comments

 [Demo](#)

- My open-source project, this is a comment system that users can deploy it themselves and host it on their website.
- This project has garnered over 50 stars on [GitHub](#) and was featured in [Ruan Yifeng's Weekly](#)

Others :

- Contributed PRs to [Node.js](#) and [React.js](#).
- Published one SCI paper and three patents during school and company.

Education

Hong Kong Metropolitan University
Master of Computing in Computer Science

2024/09 – 2025/09
Hong Kong

- The Katie Shu Sui Pui Charitable Trust — Research Training Fellowship in 2024

ShenZhen University
Master of Science in Materials Science and Engineering

2020/09 – 2023/06
Shenzhen, China

- First-Class Scholarship in 2022

