




Haoyu Dong

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Work Experience

Peking University Institute Frontend Engineer	2023/07 – 2024/07 Changsha, China
<ul style="list-style-type: none">Developed a Large Language Model Chatbot using React, TypeScript, Tailwind CSS.Developed a series of data visualization projects using Three.js, Blender, ECharts.Setting CI/CD pipeline using Docker, Jenkins.	
Tencent Music Entertainment Frontend Engineer Intern	2022/05 – 2022/10 Shenzhen, China
<ul style="list-style-type: none">Contributed to hybrid app development for QQ Music and WeSing.	








Works

Chatbot	 Demo
<ul style="list-style-type: none">Implemented multimodal chat (text, images), plugin system, and literature search.Utilized Server-Sent Events for streaming text output. Managed server state with React Query and implemented optimistic updates to enhanced user experience.	
Data Visualization	 Demo
<ul style="list-style-type: none">Developed interactive features including line charts, pie charts, world maps, flying lines, and other dynamic visual effects.Improved model load times and rendering efficiency.	
Hybrid Mobile App	 Demo
<ul style="list-style-type: none">Developed mini-games, live gifting, and ranking list web app, contributed to related npm packages.	

Open Source Projects

Comments	 50
<ul style="list-style-type: none">An open-source, easy-to-use comment system, uses GitHub for authentication and stores data in Supabase.This project has garnered over 50 stars on GitHub and was featured in Ruanyifeng's Weekly	
Mini React	 Demo
<ul style="list-style-type: none">A Minimal implementation of React.js and ReactDOM including fiber architecture, scheduler, hooks.	
Raytracing	 Demo
<ul style="list-style-type: none">Implemented a simple raytracing algorithm in JavaScript, based on concepts learned from the book <i>Computer Graphics from Scratch</i>.	

Contributions

 Fixed a css bug in the official React docs .	 10.8k
 Added a confetti style and  user custom word loop in qwerty-learner .	 14.8k
 Added a new syntax for Shaku that lets you change the line's opacity.	 194

Education

Hong Kong Metropolitan University Master of Computing in Computer Science	2024/09 – 2025/09 Hong Kong
ShenZhen University Master of Science in Materials Science and Engineering	2020/09 – 2023/06 Shenzhen, China
Hunan University of Technology Bachelor of Science in Construction Environment and Energy Application Engineering	2016/09 – 2020/06 Zhuzhou, China

Skills

- Front-end:** HTML, CSS, JavaScript, TypeScript, React, Vue.js.
- Back-end:** Node.js, Express.js, Java, Python, MySQL, MongoDB.
- DevOps:** Docker, Jenkins, GitHub Actions, AWS, Cloudflare.
- Design:** Figma, Blender.
- Languages:** Mandarin (Native speaker), English (Fluent), Cantonese (Fluent).