

Haoyu Dong

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Skills


- Experienced in full-stack development with React, Vue.js, TypeScript, Node.js, MySQL.
- Experienced in SSR/CSR rendering techniques and build tools like Webpack and Vite.
- 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


PKU-Changsha Institute for Computing and Digital Economy	2023/07 – 2024/07
Web Developer	Changsha, China
<ul style="list-style-type: none">• 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	2022/05 – 2022/10
Web Developer Summer Intern	Shenzhen, China
<ul style="list-style-type: none">• Responsible for several high-traffic pages, including the live room widget and leaderboard in QQ Music and WeSing.• Participated in developing event tracking module and gateway modules for npm libraries, mastered the npm package release process.	

Projects

Large Language Model Chatbot	 Demo
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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.• Implemented data caching across multiple time intervals to eliminate loading status when adjusting the timeline.	

Comments	 Demo
<ul style="list-style-type: none">• 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](#), gaining valuable experience in cross-team collaboration.
 - Published one SCI paper and three patents during school and company.

Education

Hong Kong Metropolitan University	2024/09 – 2025/09
Master of Computing in Computer Science	Hong Kong
<ul style="list-style-type: none">• The Katie Shu Sui Pui Charitable Trust – Research Training Fellowship in 2024	
ShenZhen University	2020/09 – 2023/06
Master of Science in Materials Science and Engineering	Shenzhen, China
<ul style="list-style-type: none">• First-Class Scholarship in 2022	
Hunan University of Technology	2016/09 – 2020/06
Bachelor of Science in Construction Environment and Energy Application Engineering	Zhuzhou, China