




# Haoyu Dong

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## Work Experience

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




## Works

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

## Open Source Projects

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

## Contributions

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

## Education

<b>Hong Kong Metropolitan University</b> Master of Computing in Computer Science	2024/09 – 2025/09 Hong Kong
<b>ShenZhen University</b> Master of Science in Materials Science and Engineering	2020/09 – 2023/06 Shenzhen, China
<b>Hunan University of Technology</b> 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).

董皓宇

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工作经验

北京大学长沙计算与数字经济研究院	2023/07 – 2024/07
前端开发工程师	长沙
<ul style="list-style-type: none"><li>使用 React, TypeScript, Tailwind CSS 开发了一个 大语言模型聊天机器人</li><li>使用 Vue.js, Three.js, Blender, ECharts 开发了一系列数据可视化项目</li><li>使用 Docker, Jenkins 搭建了部门 CI/CD 部署流水线</li></ul>	
腾讯音乐娱乐集团	2022/05 – 2022/10
前端开发实习	深圳
<ul style="list-style-type: none"><li>贡献了一些混合开发的移动端应用，包括QQ 音乐和全民 K 歌</li></ul>	

公司项目

AI诊疗助手	<a href="#">🔗 Demo</a>
<ul style="list-style-type: none"><li>实现了多模态聊天（文本、图片）、插件系统和文献搜索等功能</li><li>利用 SSE 实现文本输出流。使用 React Query 管理服务器状态，并实现乐观更新机制以增强用户体验</li></ul>	
数据可视化	<a href="#">🔗 Demo</a>
<ul style="list-style-type: none"><li>开发了折线图、饼图、世界地图、飞线和其他地图动态视觉效果</li><li>通过优化模型、改善了Web 端模型加载时间和首屏加载速度</li></ul>	
混合移动端应用开发	<a href="#">🔗 Demo</a>
<ul style="list-style-type: none"><li>参与开发了QQ 音乐、全民K歌直播间小游戏、送礼页和送礼榜等应用</li></ul>	

个人项目

评论系统	☆ 50
<ul style="list-style-type: none"><li>一个开源自部署的评论系统，使用 GitHub 进行身份认证，数据托管在 Supabase 上</li><li>这个项目在 <a href="#">GitHub</a> 上收获了 50 个 stars，被收录在 <a href="#">Ruanyifeng's Weekly</a> 中</li></ul>	
Mini React	<a href="#">🔗 Demo</a>
<ul style="list-style-type: none"><li>一个简单的 React.js 和 ReactDOM 实现，包括fiber 架构, 调度器, hooks功能</li></ul>	
开源贡献	
<ul style="list-style-type: none"><li>🔗 <a href="#">Fixed a css bug</a> 修复了 React 官方文档的一个 CSS 问题</li></ul>	☆ 10.8k
<ul style="list-style-type: none"><li>给一款开源的英语学习软件qwerty-learner 加了 🔗 <a href="#">Added a confetti style</a> 和 🔗 <a href="#">user custom word loop</a></li></ul>	☆ 14.8k
<ul style="list-style-type: none"><li>给 <a href="#">Shaku</a> 实现了修改文本透明度的新语法 🔗 <a href="#">Added a new syntax</a></li></ul>	☆ 194

教育经历

香港都会大学	2024/09 – 2025/09
软件工程硕士	香港
深圳大学	2020/09 – 2023/06
材料与化工硕士	深圳
湖南工业大学	2016/09 – 2020/06
建筑环境与能源应用工程学士	株洲

技能

- 前端: HTML, CSS, JavaScript, TypeScript, React, Vue.js.
- 后端: Node.js, Express.js, MySQL, MongoDB.
- 运维: Docker, Jenkins, GitHub Actions, Cloudflare.
- 设计: Figma, Blender.
- 语言: 普通话（母语），英语（流利），粤语（熟悉）.