

Lidang Jiang

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Algorithm & Front-end Development Engineer, ¥12k-17k/month
From Xianning, Hubei Province, currently living in Haikou, Hainan Province
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EDUCATION

Sichuan University, Master's Degree College of Chemical Engineering, Materials and Chemical Engineering • University Second-class Academic Scholarship, Academic Year 2021 - 2022 • University Second-class Academic Scholarship, Academic Year 2022 - 2023 • University Second-class Academic Scholarship, Academic Year 2023 - 2024	2021.09 - 2024.07
Jinzhong University, Bachelor's Degree College of Chemistry and Chemical Engineering, Applied Chemistry	2014.09 - 2018.07
Tongshan County No.1 High School	2011.09 - 2014.07

SELF-EVALUATION

Scored 502 in College Entrance Exam. Undergraduate GPA: 2.9/5, ranked 45/50. Graduate Entrance Exam: 263 in 2020 and 400 in 2021 (8th/120), Mathematics II: 141 (1st/120). Graduate GPA: 3.5/4, top 30%.

During my graduate studies, I primarily focused on research at the intersection of AI and lithium-ion batteries (LiBs). As the first author, I published two papers in *Energy* and *Applied Energy* (both are Q1 journals in CAS and JCR rankings). Throughout my master's studies, I developed the ability to independently conduct interdisciplinary research.

While working as a large language model algorithm engineer, I quickly mastered a variety of large language model technologies (e.g., RAG, LangChain, fine-tuning, few-shot learning, etc.). Additionally, I expanded my skill set in front-end development, building full-stack development capabilities.

My current research interests include AI4Science, Agents, Generative AI, Deep Learning, LLMs, and MLsys.

PUBLICATIONS

- 1: Jiang, Lidang, et al. "A Robust Adapted Flexible Parallel Neural Network Architecture for Early Prediction of Lithium Battery Lifespan." *Energy*, 308:132840, 2024. (IF=9)
- 2: Jiang, Lidang, et al. "Generating Comprehensive Lithium Battery Charging Data with Generative AI." *Applied Energy*, 377:124604, 2025. (IF=10.1)

PROFESSIONAL SKILLS AND COURSES

Algorithm Skills	Front-end Skills	Other Skills	Courses and Language
Machine Learning, Deep Learning, GenAI RAG, Agents, LangChain Pytorch, Distributed Training, Fine-tuning Word Embedding Models, Chain of Thought, Few-shot Learning Large Model Testing and Optimization Bayesian Optimization	HTML, CSS, JavaScript, Vue Vue Router, Element-UI, Vant Husky, Prettier ESLint, Stylelint	Git, Docker, Linux LaTeX, Data Analysis	Mathematical Methods, Numerical Analysis Stanford CS 231n, CS 224n CET-4

WORK EXPERIENCE

China Telecom Digital Intelligence Technology Co., Ltd.	2024.07 - Present
<ul style="list-style-type: none">• Hainan Branch (Labor Dispatch)• Large Language Model Algorithm Engineer (2024.07 - 2024.09)• Front-end Development Engineer (2024.09 - Present)	
Wenjia Education, etc., Graduate Entrance Exam Subject Tutor	2021.05 - 2021.12
Guangzhou Lizhi Education Technology Co., Ltd., Yousi Tutoring, etc., Math Teacher	2021.05 - 2021.12
Others (e.g., Unemployed, Preparing for Exams at Home, etc.)	2019.09 - 2021.05
Real Estate Consultant, Environmental Engineer, Hotel Receptionist, Game Booster	2018.07 - 2019.09

PROJECT EXPERIENCE

Project 1: Management Platform V2.5	
Management Platform V2.5	2024.10.22 - 2024.11.20
<ul style="list-style-type: none">• PC and Mobile Vehicle Management Function Development• Project Background: Internal vehicle management system covering both PC and mobile platforms, mainly used for vehicle usage management and statistics, including permission management, data filtering, and export.• Tech Stack:<ul style="list-style-type: none">– PC: Vite + Vue2 + Vue Router + Pinia + Element-UI + Husky + ESLint + Stylelint + Prettier.– Mobile: Vue2 + Vue Router + Pinia + Vant + ESLint + Prettier.• Key Contributions:<ul style="list-style-type: none">– PC:<ul style="list-style-type: none">* Developed the "Vehicle Report" module:<ul style="list-style-type: none">• Implemented permission management, controlling access rights for different roles to ensure data security.• Created multi-character input filtering for license plates, departments, and date ranges, improving data query efficiency.• Implemented data export functionality with SMS verification, ensuring data compliance.* Utilized code quality tools (ESLint, Stylelint, Prettier) and introduced Husky for pre-commit checks, improving code quality and readability.– Mobile:<ul style="list-style-type: none">* Developed modules such as "Workstation," "Approval Center," and "Vehicle Management":<ul style="list-style-type: none">• Workstation: Optimized user dashboard for mobile users, improving page load speed and interaction experience.• Approval Center: Added features for task filtering, status updates, and instant feedback to enhance approval efficiency.• Vehicle Management: Built complete workflows for vehicle application and approvals, including monitoring and record tracking.* Enhanced responsive design for mobile, integrating Vant components to improve UI/UX.• Project Achievements:<ul style="list-style-type: none">– Improved data access efficiency and system security.– Addressed multi-terminal business needs, supporting consistent data interactions.– Streamlined mobile approval processes, reducing average approval time.	

Project 2: Red Detachment of Women V1.0	
Red Detachment of Women V1.0	2024.11.11 - 2024.11.30
<ul style="list-style-type: none">• Multi-terminal Front-end Module Development• Project Background: Digital platform development for the Red Detachment of Women Memorial Park, including management backend, PC terminal, and Youth PC terminal, providing visit management, study activities, and traffic guidance services.• Tech Stack: Vue2 + Vue Router, Element-UI, Vant, ESLint, Prettier.• Key Contributions:<ul style="list-style-type: none">– Management Backend:<ul style="list-style-type: none">* Built the "Study Registration Management" module, including functionalities for adding, editing, and publishing.* Developed dynamic forms for study activities with rich text editing and file attachments.* Supported multi-status management operations like save, temporary save, and publish.– Youth PC Terminal:<ul style="list-style-type: none">* Developed the "Visit Services" module, showcasing visit guidelines and reservation functionality.* Optimized UI design with card-style layouts, enhancing usability.• Project Achievements:<ul style="list-style-type: none">– Enhanced user interaction by integrating form validations and dynamic updates.– Reduced operational costs for content updates via dynamic backend management.– Integrated multi-terminal functionality, meeting diverse user needs.	