

# 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

<b>Sichuan University</b> , Materials and Chemical Engineering, <i>Master's Degree</i>	2021.09 - 2024.07
<ul style="list-style-type: none"><li>University Second-class Academic Scholarship, Academic Year 2021 - 2022</li><li>University Second-class Academic Scholarship, Academic Year 2022 - 2023</li><li>University Second-class Academic Scholarship, Academic Year 2023 - 2024</li></ul>	
<b>Jinzhong University</b> , Applied Chemistry, <i>Bachelor's Degree</i>	2014.09 - 2018.07
<b>Tongshan County No.1 High School</b> , <i>High School</i>	2011.09 - 2014.07

## SELF-EVALUATION

College Entrance Exam score: 502. Undergraduate GPA: 2.9/5, ranked 45/50. Postgraduate 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 have published two papers in *Energy* and *Applied Energy* (both are Q1 journals in CAS and JCR rankings). Throughout these three years of master's studies, I developed the ability to independently conduct interdisciplinary research.

While working as a large model algorithm engineer, I learned and mastered technologies such as word embedding models, RAG (Milvus), Agents, LangChain, fine-tuning, chain-of-thought, few-shot learning, large model testing, and common large model (e.g., company's self-developed TeleChat, QWen, ChatGPT) API usage methods. Additionally, I also learned and mastered front-end development technologies.

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

## PROFESSIONAL SKILLS AND COURSES

**Algorithms:** Machine Learning, Deep Learning, GenAI, RAG (Milvus), Agents, PyTorch, LangChain, Distributed Training, Fine-tuning, Bayesian Optimization  
**Skills:** FastAPI, Streamlit, Attu, Git, Docker, Linux, Data Analysis, HTML, CSS, JavaScript, Vue, LaTeX  
**English:** CET-4  
**Courses:** Mathematical Methods, Numerical Analysis, Stanford CS 231n, CS 224n

## 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)  

- Video-like data, Bayesian optimization, dual-stream network, 3D CNN, InceptionBlock, learning outcomes, optimization algorithms

2: Jiang, Lidang, et al. "Generating Comprehensive Lithium Battery Charging Data with Generative AI." *Applied Energy*, 377:124604, 2025. (IF=10.1)  

- Video-like data, Bayesian optimization, generative models, learning outcomes, optimization algorithms, CVAE, embedding layers

## WORK EXPERIENCE

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