

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

China Telecom Digital Intelligence Technology Co., Ltd. , Algorithm Engineer	2024.07 - Present
<ul style="list-style-type: none">Hainan Branch (Labor Dispatch), Large Model Algorithm Engineer	
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