

Beibin Li

Curriculum Vitae

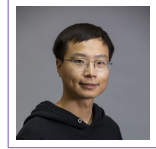
(Updated March., 2025)

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Full-time Experience

2025 – Now **Senior Research Engineer, Meta**

Meta AI Research, Llama team, post-training. Align and Post-train large language models to improve capabilities, align safety, and improve user experience with reinforcement learning.

2022 – 2025 **Senior Research Engineer, Microsoft Research**

Machine learning and optimization (MLO) group. Leading LLM, DL, and optimization research for language models, supply chain, and cloud system.

🤖 AutoGen	Co-Author	Achieved over 30,000 GitHub stars for <i>Next-Gen LLM Apps via Multi-Agent Conversation</i> . Designed and implemented key components, including the code agent, multimodal agent, and Gemini agent. Advised the reflection agent, agent eval, memory mechanism, RAG, and AutoGen studio.
📦 OptiGuide	First Author	Developed <i>LLM for Supply Chain Optimization</i> . Solely designed and implemented the entire research and engineering system as the only individual contributor. Developed from GPT-3 to o1.
🏆 MLSys Best Paper	First Author	Awarded Best Paper at MLSys for <i>VM Allocation with Lifetime Prediction</i> . Designed and implemented the deep learning pipeline and evaluation methodology in PyTorch and C++.
∞ MILP-Evolve	Lead Author	Created <i>Foundation Models for Mixed Integer Linear Programming</i> . Developed data processing and model training pipelines in PyTorch; advised on evaluation strategies and experimentation.
🧠 Reflect-RL	Lead Author	Developed <i>Two-Player Online RL Fine-Tuning for Language Models</i> . Defined problem statements, designed the reinforcement learning pipeline, and implemented in PyTorch and Gym.

2015 – 2017 **Researcher, Seattle Children's Research Institute; Yale University**

Advisor: Frederick Shic

Developed deep learning systems specialized for image and video analysis. Eye-tracking research, including fixation identification algorithms, spatio-temporal analysis, etc.

📱 Social Influences on EF in Autism: Design of a Mobile Gaming Platform

👁 Eye-Tracking: the Autism Biomarkers Consortium for Clinical Trials

Education

2022 **Ph.D. in Computer Science and Engineering, University of Washington, Seattle, Faithful Steward Endowed Fellowship**; Advisors: Linda Shapiro and Frederick Shic

🎓 *Low-Resource Neural Adaptation: A Unified Data Adaptation Framework for Neural Networks*

2015 **Bachelor of Science. (Dual major) Computer Science and Mathematics, University of Michigan, Ann Arbor, Graduated with University Honors**