Liming Huang

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EDUCATION

Northeastern University, Boston, MA   *Jan.2023 – Dec.2025*
- Master of Science in Computer Science *(GPA: 3.8/4.0)*

University of International Business and Economics, Beijing, China   *Sep.2015 – Jun.2017*
- Master of Financial Engineering *(GPA: 3.6/4.0)*

China University of Geosciences, Wuhan, China   *Sep.2011-Jun.2015*
- Bachelor of Computer Science *(GPA: 3.7/4.0)*

CERTIFICATIONS & TECHNICAL SKILLS

AWS Certified Solutions Architect – Associate   *Jul.2024*
Programming Languages: C/C++, Java, Golang/Go, Python, JavaScript, SQL, HTML/CSS,
Web Development: Spring Boot, gRPC, Kafka, Kubernetes, NodeJS, Express, React, MySQL, MongoDB, Redis, Git, Docker
Concepts: Linux, Cloud Computing, Distributed System, Object-Oriented Design, Algo Trading, Reinforcement Learning

EXPERIENCE

Amazon – Ads Creative X   **Seattle, WA**
Intern | Software Engineer | *Typescript, Python, AWS*   *Jun.2025 – Aug.2025*
- Built scalable data transformation and querying workflows using **AWS CDK** and **CloudFormation**, cutting engineering turnaround time from months to minutes
- Spearheaded a cross-team work of engineering the **EMR cluster** template and GPU-based training **docker** image, enabling data scientists to access and process advertising datasets in compliance with Amazon security standards
- Engineered 700GB+ of production data using **AWS Glue** for ETL and **SageMaker** for training, integrated with **MLflow** to automate experiment tracking

IpserLab   **Boston, MA**
Intern | Backend Software Engineer | *Javascript, AWS*   *Jan.2025 – Apr.2025*
- Created a registration system for therapy kits integrated with **RESTful APIs** by **Node.js**, serving more than 800 clients
- Automated real-time data transformation and analysis by **AWS Lambda** to enable a scalable serverless architecture, reducing monthly cost by 54%
- Containerized backend services with **Docker** and orchestrated deployments using **Kubernetes**, streamlining **CI/CD** workflows, and ensuring zero-downtime releases

Hundsun Electronics   **Hangzhou, CN**
Intern | Software Engineer | *Java*   *Jul.2022 - Oct.2022*
- Restructured the workflow by splitting serial processes into parallel branches with an **inclusive gateway**, using **ConcurrentHashMap** for thread-safe cache management, achieving an 80% decrease in execution time
- Injected process services managed by **Activiti** into **Spring Boot** to enable cross-team collaboration by modularization
- Implemented a custom **Kafka** interceptor to enrich messages with dynamic field annotations, ensuring real-time processing at a rate exceeding 100,000 requests per second

PROJECTS

Inventory Management System for MedRhythms, Inc. | *Python*   **Portland, ME**
- Led the design and development of a system managing therapy kits, leveraging **Redis** caching to accelerate API performance
- Designed and implemented **JWT**-based authentication for secure API access

A Distributed K-V Storage Service | *Golang*
- Developed a fault-tolerant, replicated key-value storage service using the **Raft** consensus algorithm, ensuring high availability and consistency across a scalable distributed system
- Engineered client-side logic to ensure linearizability for managing **RPC** interactions with servers