LIN Hao

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Summary

This content is entirely fictional and is only used to demonstrate the resume template.

1. Senior full-stack engineer with 7 years of experience in AI and distributed systems R&D.

2. Proficient in Python/Java tech stacks, led the deployment of 3 AI products serving millions of users, and excels in deep learning model optimization and high-concurrency microservice architecture design.

3. Winner of the ACM International Programming Competition Asia Gold Award, published 5 IEEE/SCI papers, and holds 6 technical patents.

4. Strong capability in tackling technical challenges from scratch and cross-department collaboration, adept at translating academic research into industrial solutions.

Projects

2022.03 – 2023.06   Deep Learning-Based Remote Sensing Image Classification System

- Tech Stack: PyTorch/OpenCV/Django

- Developed a ResNet-Transformer hybrid model, achieving 98.2% accuracy in farmland recognition

- Designed a multi-threaded data preprocessing pipeline, improving training efficiency by 300%

- Won the Best Application Innovation Award at the 2023 China AI Conference

2020.09 – 2022.02   Distributed E-Commerce Recommendation System Overhaul

- Tech Stack: Spring Cloud/Redis/Flink

- Refactored monolithic architecture, increasing QPS from 1,500 to 12,000+

- Implemented real-time user profile updates, boosting recommendation conversion by 27%

2019.01 – 2020.06   Medical Knowledge Graph Visualization Platform

- Tech Stack: Neo4j/React/D3.js

- Built a medical knowledge graph containing 5.3 million entity relationships

- Developed a dynamic relationship discovery algorithm, improving diagnostic efficiency by 40%

Education

2023.07 – 2020.06	Ph.D.	Federated Learning	Tsinghua University
2014.09 – 2017.06	M.S.	Distributed Computing	Zhejiang University
2010.09 – 2014.06	B.S.	Computer Science	Nanjing University

Work Experience

2023.07 – Present	Principal AI Engineer / AutoML Toolchain	Microsoft Research Asia
2020.07 – 2023.06	Senior R&D Engineer / Recom. Algorithms	Alibaba DAMO Academy
2017.07 – 2020.06	Full-Stack Developer / Recom. System	Byte Dance

Skills

Languages Expert in Python; Proficient in Java/C++; Skilled in Shell/Git

Frameworks TensorFlow/Kubernetes/Spark

Tools GitLab CI/CD/Elasticsearch/Airflow

Domains Machine Learning System Design/Cloud-Native Architecture/Performance Optimization

Patents

[1] *Multimodal Fusion-Based Intelligent Customer Service Dialogue System* (ZL202310123456.7) 2023.05

[2] *Blockchain-Powered Supply Chain Traceability Method* (ZL202210654321.1) 2022.11

[3] *Collaborative Path Planning Algorithm for UAV Swarms* (ZL202180765432.9) 2021.09

Publications

[1] Hao Lin. *Federated Learning with Adaptive Differential Privacy* IEEE TPAMI (IF=24.314), 2023.04.

[2] Hao Lin. *Dynamic Graph Convolution for 3D Point Cloud Segmentation*. CVPR 2022 Oral.

[3] Hao Lin. *A Survey of Edge Computing Architectures*. ACM Computing Surveys, 2020.12.