

Sina Li — NLP Engineer

Years of Experience: 13

Master of Science in Data Science

SINA LI

NLP Engineer

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SUMMARY

Seasoned NLP engineer with 13 years of experience building and scaling language models across the Asia-Pacific region. Proven track record in developing transformer-based solutions, optimizing model performance for production, and leading cross-functional teams to deliver AI-driven products.

SKILLS

Natural Language Processing, Machine Learning, Deep Learning, TensorFlow, PyTorch, Transformers, spaCy, Hugging Face, Data Analysis, Python, R, SQL, Spark, AWS, GCP, Docker, Kubernetes

EXPERIENCE

- Architected end-to-end NLP solutions for an enterprise analytics platform.
- Oversaw project delivery, timelines, and resource allocation for a 6-person team.
- Implemented automated model monitoring and A/B testing pipelines on GCP AI Platform.
- Liaised with product, security, and compliance teams to align technical delivery with business objectives.
- Spearheaded fine-tuning of transformer models (BERT, RoBERTa) on multilingual datasets.
- Optimized hyperparameters with Bayesian search to achieve state-of-the-art accuracy.
- Managed a team of 4 engineers and coordinated cross-team knowledge transfer.
- Collaborated with legal to ensure compliance with data privacy regulations.
- Developed named-entity recognition and sentiment analysis modules for robotic assistance software.
- Reduced inference latency by 35% through model pruning and quantization.
- Implemented CI/CD pipelines using Docker and Jenkins for continuous deployment.
- Authored unit and integration tests to ensure model robustness.
- Led research on large language models for Japanese text understanding.
- Designed GPU-optimized training workflows leveraging NVIDIA CUDA and DeepSpeed.
- Presented findings at international AI conferences and internal workshops.
- Collaborated with cross-disciplinary teams to integrate AI insights into product roadmaps.
- Enhanced recommendation engine accuracy by 12% through feature engineering and ensemble techniques.
- Implemented end-to-end machine learning pipelines using Spark and MLlib.
- Conducted statistical analysis to support pricing strategy decisions.
- Mentored two junior analysts in data wrangling and SQL querying.
- Performed data cleaning and exploratory analysis for customer segmentation projects.
- Built and validated classification models using logistic regression and decision trees.
- Co-developed automated reporting dashboards for internal stakeholders.
- Collaborated with product managers to translate business requirements into analytical solutions.

EDUCATION

Master of Science - Data Science

National University of Singapore, Singapore - 2012

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