

Keon Lee — NLP Engineer

Years of Experience: 12

Bachelor of Science in Electrical Engineering

KEON LEE

NLP ENGINEER

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SUMMARY

Dynamic NLP Engineer with 12 years of progressive experience spanning embedded systems, data engineering, and machine learning. Specializes in multilingual natural language understanding and conversational AI solutions. Strong foundation in electrical engineering, firmware design, and IoT integration, complemented by extensive work with deep learning frameworks, data pipelines, and cross-functional agile development.

- Python, C++, Java, SQL
- TensorFlow, PyTorch, Deep Learning, Natural Language Processing
- Data Engineering, ETL Pipelines, Data Quality, Distributed Query Optimization
- IoT, Embedded Systems, Firmware Development, REST API Design
- Agile Scrum, Git, Docker, Kubernetes

EXPERIENCE

- Designed and implemented firmware for smart grid monitoring devices.
- Optimized low-level software for real-time signal processing.
- Collaborated with hardware teams to integrate sensor interfaces.
- Led unit testing and validation of communication protocols.
- Integrated industrial IoT equipment into centralized SCADA systems.
- Developed middleware to support heterogeneous device connectivity.
- Performed protocol mapping and data translation across legacy platforms.
- Managed deployment schedules and coordinated cross-functional releases.
- Designed and maintained robust ETL pipelines for telemetry data.
- Implemented data quality checks and automated monitoring solutions.
- Optimized query performance on large-scale distributed data stores.
- Coordinated with analytics teams to support machine learning workloads.
- Built recommendation engines and predictive models using TensorFlow.
- Experimented with neural architecture search for performance tuning.
- Integrated ML models into production environments with Docker/K8s.
- Mentored junior engineers on best practices in model deployment.
- Developed multilingual chatbot platforms leveraging transformer models.
- Implemented named entity recognition, sentiment analysis, and intent classification pipelines.
- Worked on domain-specific knowledge graphs to enhance contextual understanding.
- Collaborated with product managers to define KPIs and conduct A/B testing.

EDUCATION

Bachelor of Science, Electrical Engineering - University of Hong Kong, Hong Kong
Graduated 2010