Mira Kim — NLP Engineer

Years of Experience: 11
Certificate in Electrical Engineering

MIRA KIM
NLP ENGINEER
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SUMMARY

Innovative NLP Engineer with 11+ years of progressive experience in electrical systems, AI integration, and natural language processing across Asia■Pacific. Proven ability to design and deploy transformer■based models, optimize embedded AI solutions, and lead cross■functional teams to deliver scalable language technologies.

SKILLS

Python, C++, Java, TensorFlow, PyTorch, Transformer Models (BERT, RoBERTa), LSTM, spaCy, NLTK, Tokenization, Part-of-Speech Tagging, Named Entity Recognition, Speech Recognition, Deep Learning, CUDA, GPU Acceleration, AWS, GCP, Azure, Docker, Kubernetes, Embedded Systems, Electrical Circuit Design, Signal Processing

EXPERIENCE

- Directed end■to■end development of an adaptive translation platform across multiple languages.
- Managed cross■regional technical roadmaps and vendor integrations to ensure on■time delivery.
- Mentored junior engineers in model lifecycle management, resulting in a 30% reduction in deployment time.

- Led a team of 5 engineers in building large■scale NLU services for enterprise clients.
- Architected a scalable micro■service architecture on AWS for real■time inference, handling 10M+ requests/day.
- Introduced CI/CD pipelines that cut release cycles from weeks to days.

- Designed multilingual text■to■speech pipelines supporting 12 languages for mobile devices.
- Optimized transformer inference for edge deployment, reducing latency by 45%.
- Collaborated with UX teams to refine dialogue flow accuracy and improve user satisfaction.

- Implemented tokenization and preprocessing workflows for massive Japanese corpora.
- Built and fine■tuned BERT■based models for intent classification with >95% accuracy.
- Supported integration of NLP modules into customer■service chatbots, improving response time.

- Developed machine■learning pipelines for predictive maintenance of industrial equipment.
- Integrated TensorFlow models into embedded edge devices, enhancing diagnostic precision.
- Conducted performance profiling and GPU acceleration tuning, boosting inference speed by 60%.

- Designed and implemented real■time power monitoring circuits for utility grids.
- Collaborated with software teams to embed MCUs for grid stability, reducing fault detection time.
- Optimized low■power consumption for IoT■enabled energy meters, extending battery life by 35%.

- Refined conversational AI for the healthcare sector, focusing on patient monitoring.
- Deployed transformer models on edge devices to enable real■time speech analysis.
- Collaborated with data scientists to clean and annotate domain■specific datasets, improving model relevance.

EDUCATION

National Technical Institute, Seoul, South Korea - Certificate in Electrical Engineering, 2010 (degree, major, institution, graduation year as stated)