

# Yonghoon Kwon

AI Research Engineer

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## Profile

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After graduating from high school, I began my career as an ML Researcher at Glorang at the age of 19, and I currently continue my research at Selectstar. My interests lie in self-evolving learning systems that adapt and expand by updating their own specifications in dynamic environments.

## Research Interests

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- Small language models and efficient reasoning
- Open-ended self-evolving LLMs
- Meta-learning architectures
- Adaptive evaluation

## Work Experience

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### Selectstar, Seoul, South Korea

Jan 2025 – Present

AI Research Engineer (Full-time)

- Developed a retrieval-augmented generation (RAG) pipeline evaluation model for the financial domain, incorporating long-context understanding, domain-specific training and Reason Score-based assessment; achieved the best performance among internal and open-source baselines.
- Constructed an instruction dataset of 10,000 algorithmic and software engineering prompts for SKT's proprietary foundation model.

### Glorang, Seoul, South Korea

Dec 2022 – May 2024

ML Research Engineer (Full-time)

- Proposed and designed novel methodologies in the EduAI domain to enhance learner feedback and personalisation.

### Twigfarm, Seoul, South Korea

Aug 2021 – Oct 2021

NLP Engineer (Intern)

- Developed a Korean word-segmentation model to improve accurate word recognition in downstream tasks.

## Skills & Certifications

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- **Programming & Tools:** Python, Transformers, PyTorch, DeepSpeed, Git, Docker, Chalice
- **Certifications:** Google Machine Learning Bootcamp (Cohort 3, Jun 2022); ADSP Big Data Analyst

## Awards & Honors

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- Bronze Medal, *4th Korean Emotion Recognition Competition*, Chonnam National University (Oct 2022)
- 3rd Place, *AI Grand Challenge – Open Track*, AGC (Aug 2023)
- Stage 2 Winner (Policy Support AI), *AI Grand Challenge*, IITP Director's Award, AGC (Nov 2023)

## Publications

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- Sunguk Choi, **Yonghoon Kwon** (first author), Heondeuk Lee. "CAC-CoT: Connector-Aware Compact Chain-of-Thought for Efficient Reasoning Data Synthesis Across Dual-System Cognitive Tasks." *EMNLP 2025 Findings*.
- Sunguk Choi, **Yonghoon Kwon** (first author), Dongjin Seo. "Context- and Alignment-Based Speech-Text Fusion Model for Sentiment Analysis." *Proceedings of KCC 2023* (Korean Computer Science Conference).

## Patents

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- “Question generation method and server for human performance test using a question–answer network based on a language model.” Application No. 10-2023-0088846.
- “Sampling process for personality tests using a BERT question–answer network representing the respondent population.” Application No. 10-2023-0049090.