

# Geewook Kim (김기욱)

Tech Lead / Applied Research Scientist at NAVER Cloud AI

✉ [gwkim.rsrch@gmail.com](mailto:gwkim.rsrch@gmail.com) 🏠 <https://geewook.kim> 🌐 <https://linkedin.com/in/gwkim-rsrch>

## Research Interests

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My research builds **resource-efficient multimodal AI**: models that perceive across text, image, audio, and video under real-world compute and data limits. I study what shapes their capabilities and limits, and turn these findings into reliable systems and the perceptual groundwork for agentic and embodied AI.

### Research directions:

- **Efficient multimodal and omni-modal architectures.** Models that perceive across modalities under tight compute, including OCR-free document understanding [C7, ECCV22], state-space models for hour-long video [C17, AAAI26], and cost-efficient document parsing [C11, ICDAR24].
- **Evaluation and benchmarking across Language, Vision, Audio, and Agents.** Benchmarks, model-as-judge methods, and audits of what multimodal models truly understand, including a Korean educational benchmark for multimodal models [C15, NAACL25], vision-language judges [C12, ACL-F24], an audio-visual benchmark audit for Video-LLMs [C20, Interspeech26], and a Korean web-browsing agent benchmark [O8, arXiv26].
- **Foundation model training methods and analyses.** Learning methods and analyses of how training reshapes model behavior, including decentralized instruction tuning via weight merging [C19, ICML26], the safety cost of vision-language adaptation [C14, ICLR25], and what drives efficient vision-language assistants [C13, EMNLP24].

My work bridges fundamental research and real-world systems, from open-source tools like [Donut](#) (6.8K★), widely adopted for OCR-free document understanding, to the production multimodal models behind NAVER's [HyperCLOVA X](#)<sup>[Vision][Video][Omni]</sup>, turning research insights into models that are efficient and broadly useful.

## Education

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Korea Advanced Institute of Science & Technology (KAIST) Ph.D. in Artificial Intelligence, <a href="#">Language &amp; Knowledge Lab.</a> <sup>[Link]</sup> Kim Jaechul Graduate School of Artificial Intelligence (Supervisor: <a href="#">Prof. Minjoon Seo</a> ) Dissertation: <i>Resource-Efficient Architecture and Comprehensive Evaluation of Multimodal Large Language Models</i>	Sep. 2023–Aug. 2026 (defended May 2026)
Kyoto University Master of Informatics, <a href="#">Statistical Intelligence Lab.</a> <sup>[Link]</sup> Graduate School of Informatics (Supervisor: <a href="#">Prof. Hidetoshi Shimodaira</a> )	Apr. 2018–Mar. 2020
Kyoto University Bachelor of Engineering, <a href="#">Applied Mathematics and Physics Course</a> <sup>[Link]</sup> School of Informatics and Mathematical Science (Supervisor: Prof. Hidetoshi Shimodaira)	Apr. 2014–Mar. 2018

## Professional Appointments

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Tech Lead / Applied Research Scientist, **NAVER Cloud Corp.**, Korea May 2023–Present

- Technical lead of the Semantic Perception and Vision Understanding teams, leading applied research and engineering for NAVER’s LLM-based multimodal models (HyperCLOVA X Vision, Video & Omni, <https://clova.ai/hyperclova>) and mentoring up to 8 researchers and engineers. (See *Research Leadership & Industrial Impact* and *Student Mentoring*.)

Applied Research Scientist, **NAVER Corp.**, Korea Apr. 2020–Apr. 2023

- Conducted research and developed systems for NAVER’s Document AI product family, including OCR [\[Link\]](#) and Information Extraction [\[Link\]](#). Initiated and led several research and open-source projects, including [Donut](#) and [Webvicob](#).

Research part-timer/trainee, Mathematical Statistics Team, **RIKEN Center for Advanced Intelligence Project**, Japan Sep. 2017–Feb. 2020  
Supervisor: Prof. Hidetoshi Shimodaira

Research Intern, **CLOVA OCR, NAVER Corp.** [\[Link\]](#), Korea Aug. 2018–Oct. 2018, Aug. 2019–Sep. 2019  
Supervisor: Dr. Hwalsuk Lee

ML Engineering Intern, **Recruit Holdings Co., Ltd.**, Tokyo, Japan 2017 (2 Months)

Software Engineering Intern, **Abeja, Inc.**, Tokyo, Japan 2016 (2 Months)

Planning Intern, **SoftBank Corp.**, Tokyo, Japan 2015 (1 Month)

## Publications

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Google Scholar: <https://scholar.google.com/citations?user=1a2QbgEAAAAJ>

*20 peer-reviewed international conference papers, 4 workshop papers, 4 technical reports, and 8 patents. Among the conference papers, 10 are first/co-first author and 5 are corresponding author. Total citations 2,200+ (Google Scholar, June 2026), with two papers exceeding 1,000 and 870; open-source projects total 10K+ GitHub stars.*

\* equal contribution; † corresponding author.

### Selected Publications

- **Geewook Kim**<sup>†</sup> et al. (first and corresponding author), “*OCR-free Document Understanding Transformer (Donut)*”, **ECCV 2022**. **1,022 citations, 6.8K+ GitHub stars**.  
Introduced an OCR-free paradigm for visual document understanding.
- **Geewook Kim** and Minjoon Seo (first author), “*On Efficient Language and Vision Assistants for Visually-Situated Natural Language Understanding: What Matters in Reading and Reasoning*”, **EMNLP 2024**.  
Studies the design factors behind efficient language-and-vision assistants for visually-situated NLU.
- Seongyun Lee\*, **Geewook Kim**\*, Jiyeon Kim\* et al. (co-first author), “*How Does Vision-Language Adaptation Impact the Safety of Vision Language Models?*”, **ICLR 2025**.  
Examines how vision-language adaptation affects model safety and reliability.

- **Geewook Kim** and Minjoon Seo (first author), “*State-Space Hierarchical Compression with Gated Attention and Learnable Sampling for Hour-Long Video Understanding in Large Multimodal Models*”, **AAAI 2026. Oral (4.6%)**.  
State-space hierarchical compression for hour-long video understanding.
- Minsik Choi\* and **Geewook Kim**\*<sup>†</sup> (co-first and corresponding author), “*Decentralized Instruction Tuning: Conflict-Aware Splitting and Weight Merging*”, **ICML 2026**.  
Conflict-aware decentralized instruction tuning with weight merging.

### Peer-Reviewed International Conferences (20 papers)

- [C20] **Geewook Kim** and Minjoon Seo, “*Do Modern Video-LLMs Need to Listen? A Benchmark Audit and Scalable Remedy*”, Proceedings of the 27th Annual Conference of the International Speech Communication Association, 2026. Interspeech 2026
- [C19] Minsik Choi\* and **Geewook Kim**\*<sup>†</sup> (co-first and corresponding author), “*Decentralized Instruction Tuning: Conflict-Aware Splitting and Weight Merging*”, Proceedings of the Forty-Third International Conference on Machine Learning, 2026. ICML 2026
- [C18] Hyunji Lee, Seunghyun Yoon, Yunjae Won, Hanseok Oh, **Geewook Kim**, Trung Bui, Franck Dernoncourt, Elias Stengel-Eskin, Mohit Bansal, and Minjoon Seo, “*Instruction Tuning with and without Context: Behavioral Shifts and Downstream Impact*”, Proceedings of the 2026 Conference of the European Chapter of the Association for Computational Linguistics, 2026. EACL 2026
- [C17] **Geewook Kim** and Minjoon Seo, “*State-Space Hierarchical Compression with Gated Attention and Learnable Sampling for Hour-Long Video Understanding in Large Multimodal Models*”, Proceedings of the Fortieth AAAI Conference on Artificial Intelligence, 2026. **Oral Presentation (1089/23678=4.60%)** AAAI 2026
- [C16] Gio Paik, **Geewook Kim**, and Jinbae Lim, “*MMRefine: Unveiling the Obstacles to Robust Refinement in Multimodal Large Language Models*”, Findings of the Association for Computational Linguistics, 2025. ACL Findings 2025
- [C15] Sanghee Park\*, **Geewook Kim**\*<sup>†</sup> (co-first and corresponding author), “*Evaluating Multimodal Generative AI with Korean Educational Standards*”, Proceedings of the 2025 Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics: Human Language Technologies, 2025. NAACL-HLT 2025
- [C14] Seongyun Lee\* , **Geewook Kim**\* (co-first author), Jiyeon Kim\* (co-first author), Hyunji Lee, Hoyeon Chang, Sue Hyun Park, and Minjoon Seo, “*How Does Vision-Language Adaptation Impact the Safety of Vision Language Models?*”, Proceedings of the Thirteenth International Conference on Learning Representations, 2025. ICLR 2025
- [C13] **Geewook Kim** and Minjoon Seo, “*On Efficient Language and Vision Assistants for Visually-Situated Natural Language Understanding: What Matters in Reading and Reasoning*”, Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing, 2024. EMNLP 2024

- [C12] Seongyun Lee, Seungone Kim, Sue Hyun Park, **Geewook Kim**, and Minjoon Seo, “*Prometheus-Vision: Vision-Language Model as a Judge for Fine-Grained Evaluation*”, Findings of the Association for Computational Linguistics, 2024. ACL Findings 2024
- [C11] Yamato Okamoto, Youngmin Baek, **Geewook Kim**, Ryota Nakao, DongHyun Kim, Moon Bin Yim, Seunghyun Park, and Bado Lee, “*CREPE: Coordinate-Aware Cost-Efficient Document Parsing End-to-End Model*”, Proceedings of the International Conference on Document Analysis and Recognition, 2024. ICDAR 2024
- [C10] **Geewook Kim**<sup>†</sup>, Hodong Lee, Daehee Kim, Haeji Jung, Sanghee Park, Yoonsik Kim, Sangdoo Yun, Taeho Kil, Bado Lee, and Seunghyun Park, “*Cream: Visually-Situated Natural Language Understanding with Contrastive Reading Model and Frozen Large Language Models*”, Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing, 2023. EMNLP 2023
- [C9] Daehee Kim, Yoonsik Kim, DongHyun Kim, Yumin Lim, **Geewook Kim**, and Taeho Kil, “*SCOB: Universal Text Understanding via Character-wise Supervised Contrastive Learning with Online Text Rendering for Bridging Domain Gap*”, IEEE/CVF International Conference on Computer Vision, 2023. ICCV 2023
- [C8] Donghyun Kim, Teakgyu Hong, Moonbin Yim, Yoonsik Kim, and **Geewook Kim**<sup>†</sup> (corresponding author), “*On Web-based Visual Corpus Construction for Visual Document Understanding*”, International Conference on Document Analysis and Recognition, 2023. ICDAR 2023
- [C7] **Geewook Kim**<sup>†</sup>, Teakgyu Hong, Moonbin Yim, Jeongyeon Nam, Jinyoung Park, Jinyeong Yim, Wonseok Hwang, Sangdoo Yun, Dongyoon Han, and Seunghyun Park, “*OCR-free Document Understanding Transformer*”, European Conference of Computer Vision, 2022. ECCV 2022  
**1,022 citations, 6.8K+ stars at GitHub**
- [C6] Wonseok Hwang, Hyunji Lee, Jinyeong Yim, **Geewook Kim**, and Minjoon Seo, “*Cost-effective End-to-end Information Extraction for Semi-structured Document Images*”, Empirical Methods in Natural Language Processing, 2021. EMNLP 2021
- [C5] Sungrae Park, **Geewook Kim**, Junyeop Lee, Junbum Cha, Ji-Hoon Kim, and Hwalsuk Lee, “*Scale down Transformer by Grouping Features for a Lightweight Character-level Language Model*”, International Conference on Computational Linguistics, 2020. COLING 2020
- [C4] Jeonghun Baek, **Geewook Kim**, Junyeop Lee, Sungrae Park, Dongyoon Han, Sangdoo Yun, Seong Joon Oh, Hwalsuk Lee, “*What is wrong with scene text recognition model comparisons? dataset and model analysis*”, International Conference on Computer Vision, 2019. ICCV 2019  
**875 citations, 3.9K+ stars at GitHub**  
**Oral Presentation (187/4304=4.3%)**
- [C3] **Geewook Kim**, Akifumi Okuno, Kazuki Fukui, and Hidetoshi Shimodaira, “*Representation Learning with Weighted Inner Product for Universal Approximation of General Similarities*”, International Joint Conference on Artificial Intelligence, 2019. (Presented as both **oral** and **poster**). IJCAI 2019

- [C2] **Geewook Kim**, Kazuki Fukui, Hidetoshi Shimodaira, “*Segmentation-free Compositional n-gram Embedding*”, North American Chapter of the Association for Computational Linguistics: Human Language Technologies, 2019. NAACL-HLT 2019
- [C1] Akifumi Okuno, **Geewook Kim**, and Hidetoshi Shimodaira, “*Graph Embedding with Shifted Inner Product Similarity and Its Improved Approximation Capability*”, International Conference on Artificial Intelligence and Statistics, 2019. AISTATS 2019

### Peer-Reviewed Workshop Papers

- [W4] **Geewook Kim\***, Shuhei Yokoo\* (co-first author), Sukmin Seo, Atsuki Osanai, Yamato Okamoto, and Youngmin Baek, “*On Text Localization in End-to-End OCR-Free Document Understanding Transformer Without Text Localization Supervision*”, International Conference on Document Analysis and Recognition Workshops, 2023. ICDAR-W 2023
- [W3] **Geewook Kim**, Wonseok Hwang, Minjoon Seo, and Seunghyun Park, “*Semi-Structured Query Grounding for Document-Oriented Databases with Deep Retrieval and Its Application to Receipt and POI Matching*”, AAAI Workshop on Knowledge Discovery from Unstructured Data in Financial Services, 2022. AAAI-W 2022
- [W2] Masahiro Naito, Sho Yokoi, **Geewook Kim**, Hidetoshi Shimodaira, “*Revisiting Additive Compositionality: AND, OR and NOT Operations with Word Embeddings*”, ACL-IJCNLP 2021 Student Research Workshop, 2021. ACL-SRW 2021
- [W1] **Geewook Kim**, Kazuki Fukui, and Hidetoshi Shimodaira, “*Word-like Character n-gram Embedding*”, EMNLP Workshop on Noisy User-generated Text, 2018. EMNLP-W 2018

### Tech Reports

- [T4] NAVER Cloud HyperCLOVA X Team, “*HyperCLOVA X 32B Think Technical Report*”, 2026. Tech Report 2026
- [T3] NAVER Cloud HyperCLOVA X Team, “*HyperCLOVA X 8B Omni Technical Report*”, 2026. Tech Report 2026
- [T2] HyperCLOVA X Team, “*HyperCLOVA X THINK Technical Report*”, 2025. Tech Report 2025
- [T1] HyperCLOVA X Team, “*HyperCLOVA X Technical Report*”, 2024. Tech Report 2024

### Preprints, Tech Blogs, and Domestic Publications

- [O10] Sukmin Seo\* and **Geewook Kim**\*† (co-first and corresponding author), “*Natural-Language Temporal Grounding in Hour-Long Videos is a Search Problem: A Benchmark and Empirical Decomposition*”, arXiv preprint, 2026. Preprint 2026
- [O9] Sanghee Park\*, **Geewook Kim**\*† (co-first and co-corresponding author), and Kee-Eung Kim†, “*KCSAT-ML: Probing Reasoning Models with Nationwide-Cohort Human Difficulty*”, arXiv preprint, 2026. Preprint 2026
- [O8] Nahyun Lee, Dongkeun Yoon, Guijin Son, **Geewook Kim**, Dayoon Ko, Jeonghun Park, Haneul Yoo, Jaewon Cho, Junghun Park, Changyoon Lee, Kyochul Jang, Jaeyeon Kim, Eunsu Kim, Woojin Cho, and Seungone Kim, “*K-BrowseComp: A Web Browsing Agent Benchmark Grounded in Korean Contexts*”, arXiv preprint, 2026. Preprint 2026
- [O7] NAVER Cloud (CLOVA AI Tech Blog), “*HyperCLOVA X OMNI: Toward an Omni-Model (국가대표 AI, 옴니모델을 향한 여정)*”, CLOVA AI Tech Blog, 2025. Tech Blog 2025
- [O6] NAVER, “*If AI Took the College Entrance Exam (AI가 수능을 본다면): A Six-Month Thought Experiment*”, 2025. Media 2025
- [O5] NAVER Cloud Vision Understanding Team, “*HyperCLOVA X Video: Seeing through motion*”, CLOVA AI Tech Blog, 2025. Tech Blog 2025
- [O4] NAVER Cloud Vision Understanding Team, “*Introducing HyperCLOVA X Vision*”, CLOVA AI Tech Blog, 2024. Tech Blog 2024
- [O3] Morihito Mizutani, Akifumi Okuno, **Geewook Kim**, Hidetoshi Shimodaira, “*Stochastic Neighbor Embedding of Multimodal Relational Data for Image-Text Simultaneous Visualization*”, arXiv preprint, 2020. Preprint 2020
- [O2] **Geewook Kim**, Sho Yokoi, and Hidetoshi Shimodaira, “*単語埋め込みの二種類の加法構成性 (Two Types of Additive Compositionality in Word Embedding)*”, Annual Meeting of the Association for Natural Language Processing (in Japanese), 2020. ANLP 2020
- [O1] **Geewook Kim**, Akifumi Okuno, and Hidetoshi Shimodaira, “*擬ユークリッド空間への単語埋め込み (Embedding Words into Pseudo-Euclidean Space)*”, Annual Meeting of the Association for Natural Language Processing (in Japanese), 2019. (Selected to receive both awards: **Young Researcher Award** [\[Link\]](#) and **Best Poster Award**). ANLP 2019

## Research Leadership & Industrial Impact

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At NAVER Cloud, I lead applied research and engineering for HyperCLOVA X’s multimodal models (Vision, Video, and Omni), guiding projects from research direction through publication and deployment.

**NAVER’s AI foundation-model leadership (HyperCLOVA X).** Technical lead for the HyperCLOVA X SEED Omni model line, NAVER Cloud’s omni-modal foundation models that read, see, and listen across text, image, audio, and video, including the open-weight **SEED-Omni-8B** and **SEED-Think-32B**. Developed amid Korea’s

national push for sovereign AI foundation models (독자 AI 파운데이션 모델) <sup>[news]</sup>, this model line targets strong multimodal capability at low compute, the efficiency principle at the core of my research.

**Open-source and open models.** Initiated and led [Donut](#), a widely adopted OCR-free document understanding framework (6.8K+ GitHub stars), and released open models and tools alongside peer-reviewed papers.

**Research to production.** Translated research outcomes into production multimodal systems in NAVER's products, documented in technical reports, open models, and engineering blogs for HyperCLOVA X Vision, Video, and Omni.

## Teaching

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**Instructor of Record, AI Engineering in Production** (산업AI공학) Spring 2025  
 University of Seoul, *Graduate course*, 3 credits, 28 students  
 Designed the full course (syllabus, lectures, assignments, and final project) covering large language models, multimodal models, retrieval-augmented generation, evaluation, deployment, and responsible AI, and supervised student projects. Taught in Korean.  
 Course Website: <https://geewook.kim/lecture/uos25spring-91035>

## Student Mentoring

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I have mentored nine interns and graduate-student residents at NAVER Cloud, guiding their research from problem formulation through publications, technical reports, and model releases. Mentees who have co-authored peer-reviewed work include [Haeji Jung](#) (Cream, EMNLP 2023), [Minsik Choi](#) (MERIT, ICML 2026), [Jinyoung Park](#) (Donut, ECCV 2022), and [Hyunwoo Kim](#) (HyperCLOVA X THINK Technical Report). Through NAVER Cloud's industry-academia residency program (산학협력 레지던시 프로그램) <sup>[news]</sup>, I also supervised three Seoul National University students, [Inju Ha](#), [Byung Hyun Lee](#), and [Juan Yeo](#), who contributed to HyperCLOVA X SEED Omni and SEED 32B Think. I have also mentored [Minseo Kang](#) and [Jiwoo Lee](#) on multimodal research projects.

## Invited Talks & Seminars

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HyperCLOVA X Vision: Open Your Eyes, CLOVA X! TEAM NAVER CONFERENCE DAN 24 <sup>[Session Link]</sup> <sup>[Slide]</sup>	Nov. 2024
HyperCLOVA X Vision: Open Your Eyes, CLOVA X! NAVER ENGINEERING DAY	Oct. 2024
Vision-Language Models for Context-Rich Image Understanding Tasks University of Seoul <sup>[Slide]</sup> <sup>[Session Link]</sup>	Apr. 2024
Fine-Grained Evaluation of Vision-Language Models through VLM as a Judge NAVER Tech Meetup <sup>[Slide]</sup>	Feb. 2024
Recent Advances in Document AI Korea University	Mar. 2023
Recent Advances in Document AI Kookmin University	Dec. 2022
OCR-Free Document Understanding Transformer Microsoft <sup>[Slide]</sup>	Nov. 2022

Identifying a store from a receipt image DEVIEW Conference <a href="#">[Video]</a> <a href="#">[Slide]</a> <a href="#">[Session Link]</a>	2021
Representation Learning with Weighted Inner Product (WIP) Michinoku Communication Science Seminar, Tohoku University <a href="#">[Session Link]</a>	2019

## Academic Service

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### Journal Reviewer:

*IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)* (since 2025),  
*Pattern Recognition (PR)* (since 2025), *ACM Computing Surveys (CSUR)* (since 2025), *Expert Systems with Applications (ESWA)* (since 2025),  
*Journal of Medical Internet Research (JMIR)* (since 2026), *IEEE Access* (since 2023)

### Conference Reviewer:

*ICML* (since 2026), *BMVC* (since 2026), *AAAI* (since 2025), *ICCV* (since 2025), *CVPR* (since 2024),  
*ACL ARR (ACL, EMNLP, NAACL, COLING)* (since 2024),  
Industry Track of *ACL, EMNLP, NAACL, EACL, COLING* (since 2022)

## Selected Honors and Awards

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<b>Top Reviewer (Gold)</b> , ICML 2026 (Top 25% of reviewers)	2026
<b>Seiwa International Students Scholarship</b> <a href="#">[Link]</a>	2019
<b>Korea-Japan Joint Government Scholarship</b> <a href="#">[Link]</a>	2013–2018
Admission and tuition fees, and living costs covered for a year of preliminary education and four years of Bachelor's studies	
<b>Young Researcher Award</b> at Annual Meeting of the Association for Natural Language Processing <a href="#">[Link]</a>	2019

## Patents

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[P8] <b>Geewook Kim</b> , Hodong Lee, Daehee Kim, Sanghee Park, Yoonsik Kim, Sangdoon Yun, Bado Lee, and Seunghyun Park, " <a href="#">METHOD AND SYSTEM FOR ENHANCING IMAGE UNDERSTANDING</a> ", KR Patent KR1020230117309A, filed in September 2023.	Sep. 2023
[P7] <b>Geewook Kim</b> and Youngmin Baek, " <a href="#">METHOD, COMPUTER DEVICE, AND COMPUTER PROGRAM FOR TEXT LOCALIZATION IN END-TO-END DOCUMENT UNDERSTANDING MODEL</a> ", KR Patent KR1020230075133A, filed in June 2023.	Jun. 2023
[P6] Daehee Kim, Yoonsik Kim, DongHyun Kim, Yumin Lim, <b>Geewook Kim</b> , and Taeho Kil, " <a href="#">METHOD AND SYSTEM FOR PERFORMING OCR USING CHARACTER-WISE SUPERVISED CONTRASTIVE LEARNING MODEL</a> ", KR Patent KR1020230037945A, filed in March 2023.	Mar. 2023
[P5] <b>Geewook Kim</b> , Teakgyu Hong, Moonbin Yim, and Seunghyun Park, " <a href="#">METHOD AND SYSTEM FOR EXTRACTING STRUCTURED INFORMATION FROM SEMI-STRUCTURED DOCUMENTS THROUGH DEEP-LEARNING</a> ", KR Patent KR102784722B1, filed in January 2022 and granted in March 2025.	Jan. 2022

- [P4] **Geewook Kim**, Wonseok Hwang, and Minjoon Seo, “*METHOD AND SYSTEM FOR DATA SEARCHING*”, KR Patent KR102684423B1, filed in August 2021 and granted in July 2024 (also granted as JP Patent JP7367139B2, filed in July 2022 and granted in October 2023). Aug. 2021
- [P3] **Geewook Kim**, Seung Shin, Youngmin Baek, Hyosun Wang, Jungun Kim, and Seungbeom Choi, “*CHARACTER RECOGNITION METHOD AND SYSTEM ROBUST TO ERRORS OF CHARACTER RECOGNITION THAT RECOGNIZE INFORMATION INCLUDED IN TABLES*”, KR Patent KR102697516B1, filed in July 2021 and granted in August 2024 (also granted as JP Patent JP7398526B2, filed in July 2022 and granted in December 2023). Jul. 2021
- [P2] Wonseok Hwang, Jinyeong Yim, **Geewook Kim**, Minjoon Seo, and Hyunji Lee, “*METHOD AND SYSTEM FOR EXTRACTING INFORMATION FROM SEMI-STRUCTURED DOCUMENTS*”, KR Patent KR102649429B1, filed in May 2021 and granted in March 2024. May 2021
- [P1] Seonghyeon Kim, **Geewook Kim**, Jaeheung Surh, Daehyun Nam, Seungbeom Choi, Seung Shin, Youngmin Baek, and Hyosun Wang, “*METHOD AND SYSTEM FOR RECOGNIZING TABLES*”, KR Patent KR102699224B1, filed in March 2021 and granted in August 2024. Mar. 2021

## References

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**Prof. Minjoon Seo** (서민준), Ph.D. Advisor  
Associate Professor, Kim Jaechul Graduate School of AI, KAIST

**Dr. Sang-doo Yun** (윤상두), Research Collaborator at NAVER  
Head of NAVER AI Lab

**Prof. Hidetoshi Shimodaira**, M.S. Advisor  
Professor, Graduate School of Informatics, Kyoto University

Contact details available upon request.