Woojung Song

Seoul, South Korea — opusdeisong@gmail.com — (+82)10-9176-0274 — Github

EDUCATION

Seoul National University, Seoul, South Korea   Expected: Sep 2025 -
Integrated Master's-Doctoral Program, Graduate School of Data Science
Hanyang University, Seoul, South Korea   Enrolled: Mar 2022 — Expected: Aug 2025
B.I.S. Department of Information System   Overall GPA: 4.35 — Major GPA 4.35

PAPERS

Value Portrait: Understanding Values of LLMs with Human-aligned Benchmark
Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics   2025
Jongwook Han[*], Dongmin Choi[*], Woojung Song[*], Eun-Ju Lee, Yohan Jo[†]
[*]Co-first authors; [†]Corresponding author

Interpretable Prediction of Private Brand Purchases by Pet Type in E-Commerce for Consumer Behavior Analysis Using Real-World Transaction Data
PeerJ Computer Science (Under Review)   2025
Woojung Song, Jina Kim, Jaehyuk Lee, Eunchan Kim

Psychometric Item Validation Using Virtual Respondents with Trait-Response Mediators
Transactions of the Association for Computational Linguistics (TACL) (Under Review)   2025
Sungjib Lim, Woojung Song, Eunju Lee, Yohan Jo

RESEARCH EXPERIENCE

Seoul National University, HOLI Lab   Seoul, South Korea
Undergraduate Research Assistant   Jul 2024 - Present

- Researching value alignment in Large Language Models (LLMs)
- Developing simulation frameworks using LLMs to model complex human behaviors and interactions

WORK EXPERIENCE

LG Electronics, Cognitive Voice/Vision Intelligence Lab   Seoul, South Korea
Intern   Mar 2024 - Jun 2024

- Enhanced LLM-based Web Question Answering using RAG and multi-agent approaches
- Developed WAAG, an automated QA evaluation system with 40% accuracy improvement
- Achieved highest level in LG SW Competency Certification Test

CNC Study, DataLingo Team   Seoul, South Korea
Project Manager   Jul 2022 - Present

- Develop English questions and performance analysis for middle school students
- Implement Chain-of-Thought prompting and multi-agent LLM systems for question generation

US 8th Army, Korean Augmentation To the United States Army   Pyeongtaek, South Korea
Sergeant (Senior KATUSA)   May 2020 - Nov 2021

- Served in US 8th Army as part of the mandatory military service program
- Received Certificate of Appreciation for exceptional service

PATENTS

English problem creation system using multi-agents   App. No: 10-2024-0109541
Filed: August 16, 2024

- AI system for automated creation of English exam questions
- Aims to generate high-quality content and reduce educator workload

AWARDS

3rd Place (Chuncheon Mayor's Award)   Chuncheon, South Korea
Chuncheon Generative AI Competition   Jun 2025

- Developed "Blue-Ming" Chuncheon City Youth Entrepreneurship AI Consulting Platform

3rd Place, App and Service Development   Busan, South Korea
Busan Metropolitan City Mayor   2024

- Developed "Korail Donghae" application integrating Language Models with custom tools and RAG
- Also won 1st place from Korea Railroad Corporation Busan-Gyeongnam Headquarters in DIVE competition

2nd Place, IC-PBL Contest   Seoul, South Korea
LG Electronics   Dec 2023

- Created "LG COVER" smart home hub project integrating Matter and non-Matter devices

1st Place, GDSC x Alphaco Hackathon   Seoul, South Korea
Google Developer Student Clubs   Dec 2023

- Developed "Nallang Mallang" mobile app for dementia and depression prevention

Certificate of Appreciation   South Korea
US 8th Army Korean Augmentation To the United States Army   Nov 2021

- Recognized for exceptional service and contributions to the KATUSA program

DOMESTIC PAPERS

Enhancing the Security of AI Models through Parameter Encryption
KCC 2025   2025
Dongwook Kim, Woojung Song

B. F. Sword: Blank Inference System with Optimized RAG and Knowledge Distillation
Proceedings of HCI Korea 2025   2025
Junseong Pyo, Hyejin Bae, Kitae Kwon, Jina Kim, Woojung Song, Yeonseong Shin

SKILLS & COMPETENCIES

- **Programming:** Python, C/C++
- **Relevant Coursework:** Data Structures, Databases, Computer Architecture, OS, Algorithms, Networks, Software Engineering, Machine Learning, Prompt Engineering, Deep Learning, Information Security
- **Language:** Korean (native), English (fluent)

EXTRA-CURRICULAR ACTIVITIES

FORIF (Hanyang Programming Club)   Seoul, South Korea
Member (2022 - 2025), Vice President (2023)

- Organized club events, including HPEC, doubling club membership
- Managed HPEC & HSPC algorithm competition as Project Manager