

Minjoon Choi

📍 Seoul, South Korea 📩 minjoonchoi08@snu.ac.kr 💻 m-joon-ixix.github.io 💬 in 💬 m-joon-ixix

Interests

Reliable & Trustworthy NLP, Knowledge-Aware Language Models, Vision-Language Models (VLMs),
NLP for High-Expertise Applications (“AI for X”), Software Design

Education

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|--|---|
| Seoul National University <i>B.S. in Computer Science</i> | <i>Mar 2019 – Feb 2026 (Expected)</i> |
| ◦ GPA: 4.04/4.3 (3.88/4.0) — CS Major Courses: 4.15/4.3 (3.97/4.0) ◦ Took a leave of absence for mandatory military service (23 months) | |
| University of Washington <i>University-Wide Exchange Student</i> | <i>Mar 2025 – Jun 2025</i> |
| ◦ GPA: 4.0/4.0 | |
| Hana Academy Seoul <i>High School Diploma</i> | <i>Mar 2015 – Feb 2018</i> |

Professional Experience

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|---|---|
| Software Engineer <i>Dunamu Inc. — Stockplus Backend-Team</i> <i>Selected as Industrial Technical Personnel (Alternative Military Service)</i> | <i>Mar 2021 – Feb 2024 Seoul, South Korea</i> |
| ◦ Engineered high-scale backend systems serving 600K MAU using Ruby on Rails & Kotlin Spring ◦ Led the development of systems for user assets and financial news content ◦ Architected and deployed microservices, transitioning from legacy infrastructure to improve scalability ◦ Optimized MySQL databases reducing query latency & Maintained production infrastructure on Kubernetes | |

Research Experience

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|---|--|
| Undergraduate Research Assistant <i>University of Washington, Information School</i> | <i>Jun 2025 – Present Seattle, WA / Remote</i> |
| ◦ Advisor: Prof. Lucy Lu Wang ◦ Developing an abstention mechanism for VLMs to enhance model reliability by calibrating verbal confidence with its visual perception and reasoning processes ◦ Contributed to research on the current practices and challenges of human evaluation in NLP studies | |
| Undergraduate Researcher <i>University of Washington — CSE 499</i> | <i>Apr 2025 – Jun 2025 Seattle, WA</i> |
| ◦ Independent research under the mentorship of Yike Wang (Ph.D. student in Prof. Yulia Tsvetkov’s group) ◦ Probed LLM hidden layer representations to investigate the internal knowledge consolidation process | |
| Undergraduate Research Assistant <i>Seoul National University, Department of Computer Science & Engineering</i> | <i>Jun 2024 – Feb 2025 Seoul, South Korea</i> |
| ◦ Advisor: Prof. Sang-goo Lee ◦ Developed a unified framework for the alignment of language models towards reliable behaviors when facing knowledge conflicts or uninformative external documents | |

Undergraduate Research Opportunity Program
Seoul National University, Department of Computer Science & Engineering

*Mar 2024 – May 2024
Seoul, South Korea*

- Data annotation & post-processing for the large-scale 3D human-object interaction dataset ('ParaHome') in Prof. Hanbyul Joo's research group

Teaching Experience

Computer Programming (M1522.000600)

Fall 2025

Head Teaching Assistant

Seoul National University, Department of Computer Science & Engineering

- Instructor: Prof. Ohchul Kwon
- Developed programming questions for mandatory lab sessions, Coordinated weekly lab sessions, Graded exams and lab assignments, Overall course management

Database Systems (M1522.001800)

Fall 2024

Undergraduate Teaching Assistant

Seoul National University, Department of Computer Science & Engineering

- Instructor: Prof. Sang-goo Lee
- Arranged in-class quiz sessions, Q&A on project assignments, Graded exams and assignments

Publications

RoParQ: Paraphrase-Aware Alignment of Large Language Models Towards Robustness to Paraphrased Questions

2025

arXiv Preprint

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Reliability Across Parametric and External Knowledge: Understanding Knowledge Handling in LLMs

2025

Under Review

Youna Kim, Minjoon Choi, Sungmin Cho, Hyuhng Joon Kim, Sang-goo Lee, Taeuk Kim

Poster Presentations

Towards the Use of Layer-to-Layer Stability Patterns for Early Accuracy Estimation in Question Answering

2025

ICCE-Asia 2025

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Projects

PowerPuff Buns

*Sep 2024 - Dec 2024
swpp-team10-2024fall ↗*

Principles and Practices of Software Development Course Team Project

- Led a team of 5 developers in engineering a 3D shooting (TPS) game, coordinating team workflows
- Tools Used: C#, Unity, Blender

Honors & Awards

Korea & USA Advanced Field Student Exchange Funding Scholarship
Presented by Korea Institute for Advancement of Technology

*Spring 2025
Financial Aid*

Semiconductor Specialized University Scholarship

*Fall 2023 - Fall 2025
Academic Incentives*

Presented by Korea Institute for Advancement of Technology & Ministry of Education

Academic Scholarship

*Fall 2020 - Fall 2025
Tuition Fees*

Presented by Seoul National University Office of Student Affairs

Technical Skills

Programming: Python, Ruby, Java, Kotlin, C, C#, C++, MySQL, R, OCaml, LaTeX

Frameworks: Spring, Ruby on Rails, Pytorch, Pandas, Numpy

Tools: Git, Notion, Unity, Blender

Languages

Korean: Native

English: Full Professional Proficiency — IELTS: 8.0 (Nov. 2025)