

# Minjoon Choi

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## Interests

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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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<b>Seoul National University</b> <i>B.S. in Computer Science</i>	<i>Mar 2019 – Feb 2026</i>
◦ GPA: 4.05/4.3 (3.88/4.0) — CS Major Courses: 4.16/4.3 (3.98/4.0) ◦ Took a leave of absence for mandatory military service (23 months)	
<b>University of Washington</b> <i>University-Wide Exchange Student</i>	<i>Mar 2025 – Jun 2025</i>
◦ GPA: 4.0/4.0	
<b>Hana Academy Seoul</b> <i>High School Diploma</i>	<i>Mar 2015 – Feb 2018</i>

## Professional Experience

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<b>Software Engineer</b> <i>Dunamu Inc. — Stockplus Backend-Team</i> <i>Selected as Industrial Technical Personnel (Alternative Military Service)</i>	<i>Mar 2021 – Feb 2024</i> <i>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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<b>Undergraduate Research Assistant</b> <i>University of Washington, Information School</i>	<i>Jun 2025 – Present</i> <i>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	

<b>Undergraduate Researcher</b> <i>University of Washington — CSE 499</i>	<i>Apr 2025 – Jun 2025</i> <i>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	

<b>Undergraduate Research Assistant</b> <i>Seoul National University, Department of Computer Science &amp; Engineering</i>	<i>Jun 2024 – Feb 2025</i> <i>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

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**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

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**Illusions of the Gold Standard: A Large-scale Analysis of Human Evaluation Protocols for Long-form Text Generation**

*2026*

*Under Review*

Katelyn X. Mei, Yi-Li Hsu, Minjoon Choi, Zongwan Cao, Chenjun Xu, Bingbing Wen, Su Lin Blodgett, Lucy Lu Wang

**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

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**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

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**PowerPuff Buns**

*Sep 2024 - Dec 2024*

*Principles and Practices of Software Development Course Team Project*

*swpp-team10-2024fall* ↗

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

## Honors & Awards

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**Korea & USA Advanced Field Student Exchange Funding Scholarship**

*Spring 2025*

*Presented by Korea Institute for Advancement of Technology*

*Financial Aid*

**Semiconductor Specialized University Scholarship**

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

*Fall 2023 - Fall 2025*

*Academic Incentives*

**Academic Scholarship**

*Presented by Seoul National University Office of Student Affairs*

*Fall 2020 - Fall 2025*

*Tuition Fees*

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**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

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**Languages**

**Korean:** Native

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