

Yoojin Kim

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INTERESTS

AI Agents, Multimodal Learning and Reasoning, AI Alignment, Embodied AI, Human-AI Interaction

EDUCATION

Pohang University of Science and Technology <i>B.S. in Computer Science and Engineering</i>	Pohang, South Korea <i>Feb 2022 – Present</i>
École Polytechnique Fédérale de Lausanne <i>Exchange Student in Computer Science</i>	Lausanne, Switzerland <i>Feb 2025 – Jul 2025</i>
Hana Academy Seoul <i>High School Diploma</i>	Seoul, South Korea <i>Mar 2019 – Feb 2022</i>

EXPERIENCE

Machine Intelligence Lab, SNU <i>Research Intern</i> Advisor: Prof. Kyomin Jung • Personalized LLMs, Reinforcement Learning from Human Feedback	Seoul, South Korea <i>Jun 2026 – Aug 2026</i>
Natural Language Processing Lab, POSTECH <i>Research Intern</i> Advisor: Prof. Hyounghun Kim • Conflict Detection, Retrieval and Reasoning with User Context, Multi-agent Systems	Pohang, South Korea <i>Aug 2025 – May 2026</i>
Computer Graphics Lab, POSTECH <i>Research Intern</i> Advisor: Prof. Seunghwan Baek • Polarization Vision, Spectro-polarimetric Imaging, 3D Reconstruction	Pohang, South Korea <i>Jun 2024 – Aug 2024</i>
Computer Vision Lab, POSTECH <i>Research Intern</i> Advisor: Prof. Suha Kwak • Deep Learning for Computer Vision	Pohang, South Korea <i>Jan 2024 – Feb 2024</i>

PROJECTS

Find the Blocking Fact: A Benchmark for Conflict-Aware Retrieval • Constructed a benchmark for proactively retrieving hidden situational context from explicit environment memory • Ranked as a top-tier project in Undergraduate Research (CSED499) and selected for a poster presentation	<i>Sep 2025 – Dec 2025</i>
Acquisition and Analysis of RGB Stokes Video Dataset • Developed an imaging system for capturing RGB Stokes video of real-world scenes under varying lighting conditions • Computed Stokes parameters and visualized polarization patterns across spatial regions and video frames	<i>Jun 2024 – Aug 2024</i>

PUBLICATIONS

- [1] **PACE: Towards Surfacing Hidden Conflicts in User Requests**
Yoojin Kim, Jiyoung Jang, and Hyounghun Kim. Proceedings of EMNLP 2026.

ACTIVITIES

POSTECH CSE Student Council, 38th Vice President	<i>Mar 2024 – Dec 2024</i>
LG Aimers, 4th Participant	<i>Jan 2024 – Feb 2024</i>
POSTECH Broadcasting System News Department Member	<i>Mar 2022 – Dec 2024</i>

SKILLS & SCHOLARSHIPS

Programming	Python, C/C++, Verilog, SQL
Libraries	PyTorch, Scikit-learn, OpenCV, NumPy, Pandas, Hugging Face Transformers
Tools	Git, Linux, LaTeX, vLLM
Languages	Korean, English
Scholarships	POSTECH Jigok Scholarship (Full Tuition), POSTECH CSE Volunteer Scholarship