

Heekyung (Anne) Lee

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EDUCATION

Pohang University of Science and Technology (POSTECH)

B.S. in Computer Science Engineering

South Korea

Feb 2022 – Expected Aug 2026

UNIVERSITY OF CALIFORNIA, BERKELEY

Concurrent Enrollment Exchange Program

Coursework: **cs162**: Operating systems and systems programming, **cs194/294**: Special topics: Large Language Model Agents, **cs184/284**: Foundations of Computer Graphics, **cs198**: Full stack programming, **cs199**: Supervised Independent Study (Prof. Trevor Darrell), **German 1**: Elementary German I

Berkeley, CA

July 2024 – May 2025

UNIVERSITY OF CAMBRIDGE

2023 International Summer Programme

Coursework: English Writing, Practical Finance, Cell biology and Precision of Medicine

Cambridge, UK

Jun 2023 – Aug 2023

KOREAN MINJOK LEADERSHIP ACADEMY

High School Diploma

South Korea

Feb 2019 – Feb 2022

EXPERIENCE

Undergraduate Research Intern

BAIR, Berkeley Artificial Intelligence Research

Berkeley, CA

Dec 2024 – Present

- Publication: Tsung-Han Wu, Heekyung Lee, Jiaxin Ge, JosephE. Gonzalez, Trevor Darrell, David M. Chan: “Generate but Verify: Reducing Hallucination in Vision-Language Models with Retrospective Resampling”. [NeurIPS 2025] (arXiv: 2504.13169)
- Publication: Heekyung Lee, Jiaxin Ge, Tsung-Han Wu, Minwoo Kang, Trevor Darrell, David M. Chan: “Puzzled by Puzzles: When Vision-Language Models Can’t Take a Hint”. [EMNLP 2025 Main] (arXiv: 2505.23759)
- Publication: Jiaxin Ge*, Grace Luo*, Heekyung Lee, Nishant Malpani, Long Lian, XuDong Wang, Aleksander Holynski, Trevor Darrell, Sewon Min, David M. Chan: “Constantly Improving Image Models Need Constantly Improving Benchmarks”. (arXiv: 2510.1502)
- Advisors: Prof. Trevor Darrell, Prof. Sewon Min, David M. Chan

Undergraduate Research Intern

POSTECH Computer Vision Lab

South Korea

Sep 2025 – Present

- Structural/Grammar Learning, Rule based Policy Learning
- Advisors: Prof. Minsu Cho

PROJECTS

SPARK: Spatial Perception And Reasoning benchmark

LLM Agents MOOC Hackathon

Berkeley, CA

2024 Fall

- Winner of LLM Agents MOOC Hackathon in Benchmark track, hosted by UC Berkeley RDI. (Prof. Dawn Song)
- SPARK: A Scavenger Hunt Game for LLM Agents. Developed a new, more applicable real-world benchmark for large language model agents: a multi-agent scavenger hunt set in the in Berkeley Campus.

Day Genie: Automated, personalized scheduling recommendation application

Cal Hacks 11

Sanfransisco, CA

Oct 2024

- Winner of Cal Hacks11. Received an honorable mention in Fetch ai sponsor track. (Ranked 5th place)
- Constructed a decentralized multi-agent large language model application that simplifies the process of planning trips via automatically generating recommendations based on preferences and user schedule. (Full stack development)

Motion Similarity

AR/VR Fabrication Studio (CITE 490K)

South Korea

2023 Spring

- Conducted a research project with 1 Million-Dance Studio to develop practical solutions for dance choreography copyright issues
- Built a usable program to measure dance similarity between the two videos using MediaPipe Pose detection and DTW.

ACTIVITIES

POSTECH APGC-Lab Manager

Feb 2022- Feb 2022

- Organized entrepreneurship events held in campus and contributed to the promotion and support of student-led startups through various initiative programs at POSTECH.

Woman’s Futsal Club

Feb 2023- Present

- Practiced every week with basic skill training followed by matches. (Position: forward) Held friendly games twice each semester.

ACADEMIC SERVICES & SCHOLARSHIP

- EMNLP 2025 Volunteer
- POSTECH Jigok Scholarship (Full tuition), Alumni Scholarship, 2025 CS GLP Scholarship (\$5500) Recipient, IPESK Next-Generation Engineer