Heekyung Lee

annelee5270@gmail.com • +82 (010) 6205 2995 • www.linkedin.com/in/heekyung-lee-624753289 • https://github.com/Kyunnilee

EDUCATION

Pohang University of Science and Technology (POSTECH)　　　　　　　　　**South Korea**
B.S. in Computer Science Engineering　　　　　　　　　　　　　　　　　　*Feb 2022 – Expected Feb 2026*

UNIVERSITY OF CALIFORNIA, BERKELEY　　　　　　　　　　　　　**Berkeley, CA**
Concurrent Enrollment Exchange Program　　　　　　　　　　　　　　　　*July 2024 – May 2025*
Coursework: **cs162:** operating systems and systems programming, **cs194/294**: special topics: Large Language Model Agents, cs184: Foundations of Computer Graphics, **cs198**: Full stack programming, **cs199**: Supervised Independent Study (Prof. Trevor Darrell), **German 1**: Elementary German 1

UNIVERSITY OF CAMBRIDGE　　　　　　　　　　　　　　　　　　**Cambridge, UK**
2023 International Summer Programme　　　　　　　　　　　　　　　　　*Jun 2023–Aug 2023*
Coursework: English Writing, Practical Finance, Cell biology and Precision of Medicine

KOREAN MINJOK LEADERSHIP ACADEMY　　　　　　　　　　　　**South Korea**
High School Diploma　　　　　　　　　　　　　　　　　　　　　　　*Feb 2019 – Feb 2022*

EXPERIENCE

Undergraduate Research Intern　　　　　　　　　　　　　　　　　**Berkeley, CA**
BAIR, Berkeley Artificial Intelligence Research　　　　　　　　　　　　*Dec 2024 – Present*
- Publications: 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".
- Advisors: Profs. Trevor Darrell, David M. Chan, Tsung-Han Wu

Undergraduate Research Intern　　　　　　　　　　　　　　　　　**South Korea**
POSTECH Visual Computing Lab. Baek's Group　　　　　　　　　　　　*Feb 2024 – Jun 2024*
- Collaborated in pBRDF visualization research project, building a program, visualizing Mueller Elements
- Conducted weekly sessions within team members, contributed to the analysis and interpretation of visualization results
- Advisors: Profs. Seung Hwan Baek

PROJECTS

SPARK: Spatial Perception And Reasoning benchmarK　　　　　　　　**Berkeley, CA**
LLM Agents MOOC Hackathon　　　　　　　　　　　　　　　　　　*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　**Sanfranisco, CA**
Cal Hacks 11　　　　　　　　　　　　　　　　　　　　　　　　*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)　　　　　　　　　　　　　　*Feb 2023 – Jun 2023*
- 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.

LG Aimers HAKATHON 4th　　　　　　　　　　　　　　　　　　*Jan 2024 – May 2024*
- Collaborated within a team of 6, Building a Predictive Model for Generating B2B Sales Opportunities Based on MQL Data
- Processed and optimized diverse customer data types including binary, text, and numerical data using linear regression techniques. Successfully ranked in top 105 teams out of more than 1000 competitors

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.

SKILLS & SCHOLARSHIP

- Native Korean Speaker, Fluent in English, Level A2 German Learner
- POSTECH Jigok Scholarship Recipient (Full tuition), POSTECH Alumni Scholarship Recipient