

# HYEWON LEE

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## EDUCATION

<b>Korea Advanced Institute of Science and Technology, Daejeon, Korea</b>	2020 - Present
· B.S. in Computer Science and Industrial Design (GPA: 4.07/4.3)	
<b>New York University, New York, NY</b>	Spring 2024
· KAIST-NYU Minor in Integrated Design & Media (GPA: 4.0/4.0)	

## PUBLICATIONS

### CONFERENCE PAPERS

<b>[C1] VIVID: Human-AI Collaborative Authoring of Vicarious Dialogues from Lecture Videos</b>	
Seulgi Choi, <b>Hyewon Lee</b> , Yoonjoo Lee, Juho Kim <i>ACM CHI 2024</i>	

### POSTERS AND DEMOS

<b>[P1] RADI: A Design Framework for Relational and Adaptive Disclosure Interfaces</b>	
Hyewon Lee*, Ihchae Ryu*, Yumin Cho*, Hyunseung Lim, Hwajung Hong <i>ACM UIST Adjunct 2025</i>	

<b>[P2] CamARA: Exploring and Creating Camera Movements with Spatial Reference in Augmented Reality</b>	
Hyewon Lee, Christopher Bannon, Andrea Bianchi <i>ACM CHI Extended Abstracts 2025</i>	

### PREPRINTS AND ARCHIVES

<b>[A1] An Augmented Reality Camera Layout System for Intuitive, Spatially Aware Shot Design</b>	
Hyewon Lee, Jee Youn Kim, Christopher Bannon, Andrea Bianchi <i>Preprint 2025</i>	

## RESEARCH EXPERIENCE

<b>KIXLAB, KAIST</b> Daejeon, Korea	Fall 2023; Jul 2025 – Present
<i>Research intern</i>	

- Advisor: **Prof. Juho Kim**
- Researched human–AI co-authoring of pedagogical dialogues for instructor support [C1].
- Exploring synchronous co-design interactions with in-tool generative agents [ongoing].

<b>Graduation Research, KAIST</b> Daejeon, Korea	Mar 2025 – Present
<i>Undergraduate researcher</i>	

- Advisor: **Prof. Tak Yeon Lee**
- Investigating human–AI collaborative vector editing workflows for Korean lettering through designer-centered sensemaking artifacts [ongoing].

<b>MakeLab, KAIST</b> Daejeon, Korea	Aug 2024 – Jun 2025
<i>Research intern</i>	

- Advisor: **Prof. Andrea Bianchi**
- Developed an AR-based camera tool bridging 3D scenes and real environments to support expressive cinematography [P2] [A1].

**WORK  
EXPERIENCE**

<b>SketchSoft</b> Seoul, Korea <i>Software engineer intern</i>	Jul 2022 – Dec 2022
<b>SPARCS, KAIST</b> Daejeon, Korea <i>Software engineer &amp; UX designer</i>	Mar 2021 – Dec 2024

· Developed a 3D sketching tool *Feather* (*Three.js*) and implemented GLTF curve transformation reducing file size by 87%.

· Proposed and designed a movie export interaction allowing users to record and share 3D sketches, extending the tool's expressive capabilities.

**AWARDS &  
HONORS**

<b>Next-Generation Engineer Award,</b> Institute for Promotion of Engineering and Science of Korea, IPESK	2025
· Recognized as an outstanding student for excellence in research.	
<b>Undergraduate Research Program,</b> KAIST	2024
· Selected for Undergraduate Research Program (URP); \$5,000 research grant.	
<b>College of Engineering Dean's List,</b> KAIST	2022
· Achieved a perfect GPA of 4.3/4.3 (2nd in department); \$800 scholarship.	
<b>Lim Misuk Scholarship,</b> KAIST	2022
· Recognized for leadership and societal contribution; \$1,000 scholarship.	
<b>Presidential Science Scholarship,</b> Ministry of Science and ICT, Republic of Korea	2020
· Awarded by the President of Korea to outstanding science and engineering students.	
· Covered full tuition (4 years) and \$20,000 scholarship.	

**TEACHING &  
MENTORING**

<b>Research Mentor,</b> AFE	2025 - Present
· Mentored high school students on research projects in computer science.	
<b>Undergraduate Tutor,</b> KAIST	2022 - 2023
· Taught data structures and algorithms; nominated as Best Tutor (2023).	

**Teaching Assistant,** KAIST

· Taught CS101: Introduction to Programming (Python) lab sessions.

**SERVICES &  
LEADERSHIP**

<b>Student Volunteer,</b> ACM SIGCHI Korea Local Chapter	2025
<b>Taekwondo Club Organizer,</b> KAIST	2024 - 2025
<b>International Student Buddy,</b> KAIST	2024
<b>Department President,</b> School of Computing, KAIST	2022
<b>Cohort Representative,</b> School of Computing, KAIST	2021