

# YUJIN KIM

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Website: <https://yjk-fordev.github.io/>

## EDUCATION

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Carnegie Mellon University

Visiting Scholar (non-degree program)

Pittsburgh, PA

Aug. 2022 – Feb. 2023

Ewha Womans University

Master of Science in Engineering (Computer Science)

Seoul, Korea

Sep. 2021 – Feb. 2024 (expected)

- CGPA: 4.18/4.3
- Graduate Admission Scholarship (Spring-Fall 2021)
- Administrative Assistant Scholarship (Spring-Fall 2023)
- AI Scholarship Award, Ministry of Science and ICT (Fall 2022)

Bachelor of Science in Engineering (Computer Science)

Mar. 2017 – Aug. 2021

- CGPA: 3.92/4.3      Graduate Magna Cum Laude
- Dean 20s List (Spring 2018, Fall 2018, Spring 2019, Spring 2020, Fall 2020)
- Lee Hye-ja Scholarship (Spring-Fall 2018, Spring 2020)
- Future Skills Development Scholarship (Fall 2018, Spring 2020)

## PUBLICATIONS

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1. João Guerreiro, **Yujin Kim**, Rodrigo Nogueira, Seung-A Chung, André Rodrigues, Uran Oh, “The Design Space of the Auditory Representation of Objects and Their Behaviors in Virtual Reality for Blind People,” supervised by Uran Oh and João Guerreiro, IEEE Transactions on Visualization and Computer Graphics, 2023.
2. Luis Cavazos Quero, Jimin Park, **Yujin Kim**, Uran Oh, “BST: An Interactive Braille Slate Using Touchscreen Devices,” supervised by Uran Oh, Universal Access in the Information Society (Under review).
3. Hwayeon Joh, Yunjung Lee, **Yujin Kim**, Uran Oh, “Effects of Music Playback Speed and Presence of Lyrics on Concentration,” supervised by Uran Oh, HCI Korea Conference, 2021.

## RESEARCH PROJECTS

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In the here and now: AI in the eyes of cartoon artists (In progress)

First Author | Advisor: Prof. Uran Oh

Jun. 2023 – Present

- Conducted Interviews for Webtoon Authors about their original work process and their thoughts after they make Storylines and design Characters with Generative AI
- Planned and Administered the Overall Interview process
- Analyzing Interviewee’s Answers and Log Files and Deriving Key Insights
- Guiding team member who has no research experience
- Writing Paper

3D Point Cloud Data annotation supportive methods for non-expert annotators in HITL (In progress)

First Author | Advisor: Prof. Uran Oh

Jan. 2022 – Present

- Developed and Built an Active Learning Framework with a 3D Point Cloud Segmentation AI Model
- Designed Data annotation User Interface for 3D Point Cloud Data
- Conducted User studies for non-expert annotators and Collected user’s Annotation Logs
- Planned and Administered the Overall User Study process
- Analyzing Participant’s Answers and Log Files and Deriving Key Insights
- Guiding team member who has no research experience
- Writing Paper

ExplaVisu: Supporting teachers to make learning resources with 3d asset generation AI models (In progress)

First Author | Advisor: Prof. Uran Oh

Jul. 2022 – Present

- Planned Research Methods
- Collecting Related Works
- Composing Interview Questions for target users
- Recruiting users(teachers) to inspect their challenges and needs in making high-quality educational resources
- Guiding team member who has no research experience

## PROFESSIONAL EXPERIENCE

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|---|-----------------------|
| SeAH Holdings   | Seoul, Korea          |
| Business Analyst Intern, Future Business Strategy Team  | Nov. 2019 – Jan. 2020 |
| <ul style="list-style-type: none"> <li>• Investigated Competitors' Facility and Factory Digitalization Strategy for Company's Factory Digitalization</li> <li>• Communicated with Factory Employees about Challenges and Needs related to Facility Layout and Conditions</li> <li>• Analyzed future business expansion opportunities such as Secondary processing products</li> </ul> |                       |

## TEACHING EXPERIENCE

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|---|--------------|
| Ewha Womans University                            | Seoul, Korea |
| Teaching Assistant (with scholarships)            |              |
| • Contemporary Photography (Prof. Thomas Webster) | Spring 2023  |
| • Introduction to HCI (Prof. Uran Oh)             | Fall 2021    |
| • Software Seminar I (Prof. Hyun soo Kim)         | Fall 2020    |

## ADDITIONAL INFORMATION

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### Student Service

- IEEE VR 2023 (03/2023)
- W4A 2022 (05/2022)

### Volunteer

- IT education for elders (04/2022-06/2022)
- Math Tutor at a local child welfare center (08/2021-11/2021)

### Hobby

- Hiking (Hiked 14 mountains in South Korea)
- Yoga
- Listening Jazz
- Cooking