Curriculum Vitae

Rachel Kim / 김정민

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EDUCATION

Undergraduate, School of Computing, KAIST   **Mar 2020 - Present**
- Major: School of Computing / Minor: Culture Technology

Computer Science and Engineering, Politecnico di Milano   **Feb 2023 - Aug 2023**
- Exchange Student

RESEARCH EXPERIENCE

HCIL (HCI Lab), KAIST   **Mar 2024 - Present**
Undergraduate Research Intern   Advisor: Geehyuk Lee
- Accessibility & Haptics: Haptic device to help visually impaired people build spatial knowledge of smartphone applications.

NMSL (Networking & Mobile Systems Lab), KAIST   **Dec 2023 - Feb 2024**
Undergraduate Research Intern   Advisor: Sung-Ju Lee
- Mobile Sensing: UWB sensing for personal mobility collision prevention.

SATLab (Smart Assistive Technology Lab), KAIST   **Oct 2023 - Present**
Undergraduate Research Intern   Advisor: Hyun Wook Ka
- Accessibility: Automated tactile graphics translation engine to convey color information to visually impaired people.

HCITech Lab, KAIST   **Jun 2022 - May 2023**
Undergraduate Research Intern   Advisor: Sang Ho Yoon
- Haptics & VR Interaction: Development of the rendering algorithm and a haptic design tool to increase the accuracy of a haptic design with intuitive interaction methods.

LAVA Lab (Lifelike Avatar & Agent Laboratory), KAIST   **Jan 2022 - Feb 2022**
Undergraduate Research Intern   Advisor: Sung-Hee Lee

PUBLICATIONS

[**IMWUT'23**] HapticPilot: Authoring In-situ Hand Posture-Adaptive Vibrotactile Feedback for Virtual Reality (Youjin Sung, <u>Rachel Kim</u>, Kun Woo Song, Yitian Shao, Sang Ho Yoon)

[**VRST'22 Poster**] Exploring Vibration Intensity Map Of Hand Postures For Haptic Rendering In XR (Youjin Sung, Yitian Shao, <u>Rachel Kim</u>, Sang Ho Yoon)

HONORS

National Excellence Scholarship, Korea Student Aid Foundation   **Fall 2022 - Spring 2024**
- National scholarship to students who showed excellence.

Dean's List, KAIST   **Spring 2022**
- Awarded to top 3% among 2,900+ students in College of Engineering, KAIST

ACTIVITIES

Student Volunteer, ACM CHI   **May 2024**

Academic English Camp TA, KAIST   **Jan 2022 - Feb 2022, Feb 2024**
- Organized and facilitated camps for incoming freshmen with limited English proficiency.

Student Council, School of Computing, KAIST   **Mar 2021 - Dec 2022**

Festival Organizing Committee, KAIST   **Aug 2020 - Nov 2022**
- Organized 5 official school festivals.
- Vice leader of the committee for the KAIST-Postech Science War.   **Jan 2022 - Nov 2022**

Buddy Program, KAIST   **Mar 2021 - Dec 2021**
- Helped foreign students to adjust well in KAIST.