

Yang, Seungwon

YangSeungWon | seungwon-yang | Seungwon Yang | 0009-0009-0755-2450
whysw_p | whysw | whysw | ysw.kr | sw.yang43

Education

Sep 2023 - present Ph.D., Computer Science and Engineering at **POSTECH**
Feb 2019 - Aug 2023 B.S., Computer Science and Engineering at **POSTECH**

Publications

[C.1] Hyojin Ju, Jungeun Lee, **Seungwon Yang**, Jungseul Ok, and Inseok Hwang (2025). "Toward Affective Empathy via Personalized Analogy Generation: A Case Study on Microaggression". In: ACM CHI 2025 (*Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems*). [Video]. [DOI]. [PDF].

Demonstrations and extended abstracts

[W.2] Mingyeol Kim, **Seungwon Yang**, and Inseok Hwang (2026). "MimeBot: Cultivating Human Engagement through Non-verbal Expression for Proactive Robot Intervention". In: ACM UbiComp/ISWC 2026 – PEACE Workshop. **Best Paper Award**. [DOI].

[D.1] Hyojin Ju, Jungeun Lee, **Seungwon Yang**, Jungseul Ok, and Inseok Hwang (2025). "Toward Affective Empathy via Personalized Analogy Generation: A Case Study on Microaggression". In: ACM CHI 2025 Interactivity (*Extended Abstracts of the CHI Conference on Human Factors in Computing Systems*). [Link]. **Popular Choice Honorable Mention Award**.

[P.1] **Seungwon Yang**, Suwon Yoon, Jeongwon Choi, and Inseok Hwang (2025). "Chameleon: A Surface-Anchored Smartphone AR Prototype with Visually Blended Mobile Display". In: ACM UIST 2025 Poster (*Adjunct Proceedings of the 38th Annual ACM Symposium on User Interface Software and Technology*). [Link]. [Video]. [DOI]. [PDF].

[W.1] Suwon Yoon, **Seungwon Yang**, Jeongwon Choi, Wonjeong Park, and Inseok Hwang (2025). "Chatperone: An LLM-Based Negotiable Scaffolding System for Mediating Adolescent Mobile Interactions". In: ACM CHI 2025 Workshop. [DOI]. [PDF].

Work Experience

Theori Jun 2023 - Sep 2023
Web3 Security Audit Intern

PLUS 2019 - 2023

– I had studied hacking and participated in CTFs. Please refer to HackMD and CTFtime.

– Here are some of my achievements:

- Finalist in CODEGATE (univ.), 2020 MINUS
- 6th place in UIUCTF, 2020 PLUS
- 8th place in Balsn CTF, 2020 PLUS
- 10th place in Balsn CTF, 2021 PLUS
- 5th place in zer0pts CTF, 2022 PLUS

Invited Talks

Seungwon Yang (Apr. 2025). "AR Applications for Human-Centered Accessibility and Interaction". POSTECH-Keio Joint Workshop. Keio University (Shonan-Fujisawa Campus).

Academic Service

ACM MobiSys 2026

Artefact Evaluation Committee Member

Reviewer

ACM CHI, Papers 2027
ACM CHI, Posters (Special Recognition for Reviewing) 2026
ACM DIS, Papers 2026
ACM UIST, Papers 2026

Projects

POSTECH OT arrangement committee Dec 2021 — Feb 2022

- Developed a browser game

POSTECH Online Hacking & Security Camp Jun 2020 — Feb 2022

- Developed a web hacking attack-and-defense platform
- Organized beginner's courses on web hacking
- Taught high school students the basics of hacking and security

Undergraduate Group Research Program Apr 2020 — Dec 2020

- Developed a blockchain-based payment system in charge of the ICON smart contract and back-end.

Skills

Web hacking	I have several years of experience participating in various CTFs.
Web3.0	I understand how smart contracts and applications like DeFi work.
Developing software	Python / Javascript / Typescript / Swift