

Saelyne Yang

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Research Interests: Human-Computer Interaction, Human-AI Interaction, Video Interaction, Multimodal Understanding

Education

KAIST (Korea Advanced Institute of Science and Technology) **Dajeon, S.Korea**
Ph.D. in School of Computing (Advisor: Juho Kim) *Mar.2021 - present*

- GPA: 4.16/4.3

KAIST (Korea Advanced Institute of Science and Technology) **Dajeon, S.Korea**
M.S. in School of Computing (Advisor: Juho Kim) *Mar.2019 - Feb.2021*

- An Outstanding MS Thesis Award

KAIST (Korea Advanced Institute of Science and Technology) **Dajeon, S.Korea**
B.S. in School of Computing *Mar.2015 - Feb.2019*

- Magna Cum Laude
- Exchange student in UCSC, 2017 Summer

Employment

Autodesk Research - HCI & Visualization Group **Toronto, Ontario**
Research Intern, Mentors: Jo Vermeulen, Justin Matejka, George Fitzmaurice *Jun. 2023 - Sep. 2023*

LG AI Research - Advanced ML Lab **Seoul, S.Korea**
Research Intern, Mentor: Moontae Lee *Oct. 2022 - Feb. 2023*

Adobe Research - Creative Technologies Lab **Cambridge, MA (Virtual)**
Research Intern, Mentor: Hijung Valentin Shin *Jun. 2020 - Sep. 2020*

ACRYL **Seoul, S.Korea**
Software Engineer Intern *Jan. 2018 - Feb. 2018*

- Web crawling and RNN testing for the prediction of a writer's gender and age

Publications

Conference and Journal Papers.....

[c.10] AQuA: Automated Question-Answering in Software Tutorial Videos with Visual Anchors

Saelyne Yang, Jo Vermeulen, George Fitzmaurice, Justin Matejka

CHI 2024: ACM Conference on Human Factors in Computing Systems

[c.9] ExpressEdit: Video Editing with Natural Language and Sketching

Bekzat Tilekbay, **Saelyne Yang**, Michal A. Lewkowicz, Alex Suryapranata, Juho Kim

IUI 2024: ACM Conference on Intelligent User Interfaces

[c.8] YTCommentQA: Video Question Answerability in Instructional Videos

Saelyne Yang, Sunghyun Park, Yunseok Jang, Moontae Lee

AAAI 2024: Association for the Advancement of Artificial Intelligence

[c.7] Towards Content-based Pixel Retrieval in Revisited Oxford and Paris

Guoyuan An, Woo Jae Kim, **Saelyne Yang**, Rong Li, Yuchi Huo, Sungeui Yoon

ICCV 2023: International Conference on Computer Vision

[c.6] Beyond Instructions: A Taxonomy of Information Types in How-to Videos

Saelyne Yang, Sangkyung Kwak*, Juhoon Lee*, Juho Kim

CHI 2023: ACM Conference on Human Factors in Computing Systems (*=equal contribution)

[c.5] AVscript: Accessible Video Editing with Audio-Visual Scripts

Mina Huh, **Saelyne Yang**, Yi-Hao Peng, Xiang 'Anthony' Chen, Young-Ho Kim, Amy Pavel

CHI 2023: ACM Conference on Human Factors in Computing Systems

[c.4] CatchLive: Real-time Summarization of Live Streams with Stream Content and Interaction Data

Saelyne Yang, Jisu Yim, Juho Kim, Hijung Valentina Shin

CHI 2022: ACM Conference on Human Factors in Computing Systems

[c.3] SoftVideo: Improving the Learning Experience of Software Tutorial Videos with Collective Interaction Data

Saelyne Yang, Jisu Yim, Aitolkyn Baigutanova, Seoyoung Kim, Minsuk Chang, Juho Kim

IUI 2022: ACM Conference on Intelligent User Interfaces

[c.2] Snapstream: Snapshot-based Interaction in Live Streaming for Visual Art

Saelyne Yang, Changyoon Lee, Hijung Valentina Shin, Juho Kim

CHI 2020: ACM Conference on Human Factors in Computing Systems

[c.1] What Makes It Hard for Users to Follow Software Tutorial Videos?

Saelyne Yang, Juho Kim

HCI Korea 2020, The HCI Society of Korea

Posters and Workshop Papers.....

[p.1] Improving Video Interfaces by Presenting Informational Units of Videos

Saelyne Yang, Sankyung Kwak, Tae Soo Kim, Juho Kim

CHI 2022 Workshop on Computational Approaches for Understanding, Generating, and Adapting User Interfaces

Honors & Awards

AAAI-24 Student Scholar

AAAI 2024

2024

Google Student Travel Grant

KAIST-Google

2023

NAVER Ph.D. Fellowship

NAVER

2022

Special Recognition for Outstanding Reviews

CSCW 2023

2022

Special Recognition for Outstanding Reviews

CHI 2022

2022

An Outstanding TA Award

School of Computing, KAIST

Spring 2022

Inseong Fellow (\$1,000)

KAIST, Scholarship given to students for their service and impact on the school

2021

An Outstanding TA Award

School of Computing, KAIST

Spring 2021

An Outstanding MS Thesis Award

School of Computing, KAIST

2021

Kwanjeong scholarship (\$20,000)*Scholarship given to outstanding graduate students in the nation**2019-20***Encouragement Award***SW Talent Festival, hosted by the Ministry of Science and ICT**2018***Dean's list***School of Computing, KAIST**Spring 2018***Excellence Award***Writing Contest, KAIST**2018***Google Women Techmakers Scholarship***Google APAC**2018***LINE Scholarship***Scholarship given to selected students in the department**2017***National Science and Technology Scholarship***Scholarship covered for undergraduate studies**2017-2018*

Academic Services

Organizing Committee

- UIST 2023 Video Previews Chairs

Program Committee

- CHI 2023 Late-Breaking Work
- CHI 2022 Late-Breaking Work

Reviewer (* = Outstanding Reviews)

- CHI 2024, 2023, 2022(*), 2021, 2020
- UIST 2022
- CSCW 2023(*), 2020
- DIS 2023
- IEEE Transactions on Learning Technologies

Student Volunteer

- IUI 2022
- CHI 2019

Invited Talks

Improving Video Experiences by Leveraging User Interaction and Content Analysis*University of British Columbia**Oct, 2023***Improving Video Experiences by Leveraging User Interaction and Content Analysis***University of Toronto**Sep, 2023***Improving Video Experiences by Leveraging User Interaction and Content Analysis***UNIST - CSE333 (Introduction to Human-Computer Interaction)**May, 2023***HCI@KAIST Workshop Panel***Meta discussion on CHI**Jun, 2022*

Teaching

Teaching Assistant

- **Introduction to Human-Computer Interaction**
KAIST CS374 Spring 2021, 2020, 2019
- **Data Structure**
KAIST CS206 Spring 2023
- **Introduction to Programming**
KAIST CS101 Spring 2022, Fall 2021

Service and Leadership

KAIST-Google ExploreCSR

Leader of student organizers 2021

The KAIST Committee on Social Inclusion

Student representative 2021-Present