# Jeongyeon Kim

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## Education

**Stanford University**                                                                    Stanford, CA
*Ph.D. in Computer Science, Specialization: Human-Computer Interaction*     *Fall 2022-Present*

**Korea Advanced Institute of Science and Technology**                       Daejeon, Korea
*M.S. in Computer Science, Specialization: Human-Computer Interaction*              *2019 – 2022*
Thesis: Responsive and Fluid Video Content Adaptation; Towards Customized Video Interface
Advisor: Juho Kim

**University of Pennsylvania**                                                      Philadelphia, PA
*Exchange Student*                                                                        *Fall 2017*

**Marquette University**                                                             Milwaukee, WI
*Exchange Student*                                                                     *Spring 2017*

**Sogang University**                                                                   Seoul, Korea
*B.S. in Computer Science and Engineering, Graduated with First Class Honours*       *2015 – 2019*

## Publications

Metaphorian: Supporting the Creation of Extended Metaphors for Science Writing with Generative Language Model
**Jeongyeon Kim**, Sangho Suh, Lydia B Chilton, Haijun Xia, *DIS '23*

Surch: Enabling Structural Search and Comparison for Surgical Videos
**Jeongyeon Kim**, DaEun Choi, Nicole Lee, Matt Beane, Juho Kim, *CHI '23*

How Older Adults Use Online Videos for Learning
Seoyoung Kim, Donghoon Shin, **Jeongyeon Kim**, Soonwoo Kwon, Juho Kim, *CHI '23*

Techniques for Semantic Search and Comparison for Robotic Surgery Videos
**Jeongyeon Kim**, DaEun Choi, Matthew Beane, Juho Kim, *CHI '22 Workshop on Integration of Human Factors in Surgery: Interdisciplinary Collaboration in Design, Development, and Evaluation of Surgical Technologies*

FitVid: Responsive and Flexible Video Content Adaptation
**Jeongyeon Kim**, Yubin Choi, Minsuk Kahng, Juho Kim, *CHI '22*

Mobile-Friendly Content Design for MOOCs: Challenges, Requirements, and Design Opportunities
**Jeongyeon Kim**, Yubin Choi, Meng Xia, Juho Kim, *CHI '22* 🏆 *Best Paper Award*

Supporting Collaborative Sequencing of Small Groups through Visual Awareness
Tae Soo Kim, Nitesh Goyal, **Jeongyeon Kim**, Juho Kim, Sungsoo Ray Hong, *CSCW '21*

Guideline-Based Evaluation and Design Opportunities for Mobile Video-Based Learning
**Jeongyeon Kim** & Juho Kim, *CHI '21 LBW*

HyperButton: In-video Question Answering via Interactive Buttons and Hyperlinks
**Jeongyeon Kim**, Junyong Park, I-Hao Lu, *CHI '21 Asian CHI Symposium*

FitVid: Towards Development of Responsive and Fluid Video Content Adaptation
**Jeongyeon Kim** & Juho Kim, *AAAI '21 Workshop on Imagining Post-COVID Education with AI*

In-video Question Answering via Interactive Buttons and Hyperlinks
**Jeongyeon Kim** & Juho Kim, *The International Conference of Women Scientists and Engineers conference on BT, IT, ET, and NT '21*

Consensus Building in Collaborative Sequencing with Visual Awareness
Tae Soo Kim, Sungsoo Ray Hong, Nitesh Goyal, **Jeongyeon Kim**, Juho Kim, *CHI '20 LBW*

Techniques for responsive and interactive video content adaptation
**Jeongyeon Kim** & Juho Kim, *KWSE/APNN International Young Woman Scientist Camp and Smart Sister Workshop '20*

Math Graphs for the Visually Impaired: Audio Presentation of Elements of Mathematical Graphs
**Jeongyeon Kim**, Yoonah Lee, Inho Seo, *CHI '19 SRC*

## Research Experience

Research Intern, **Creativity Lab, University of California, San Diego**, CA, U.S.    May. 2022 – Present
Advisor: Haijun Xia

Research Intern, **KIXLAB, KAIST**, Daejeon, Korea                          Jun. – Aug. 2019
Topics: Video clickstream data analysis for K-MOOC
Advisor: Juho Kim

Undergraduate Intern, **IBD LAB, KAIST**, Daejeon, Korea                    Dec. 2018 – Feb. 2019
Topics: Smart home data analysis for CI-CBR(Collective Intelligence Case Based Reasoning) model
Advisor: Jihyun Lee

Undergraduate Intern, **CC LAB, Seoul National University**, Seoul, Korea      May. – Aug. 2018
Topics: AR app for mediation of children's smartphone media usage
Advisor: Gahgene Gweon

## Work Experience

Data Analyst, **PYT Funds Inc.**, Washington, DC                          Jan. – May. 2018
Developed and tested a credit scoring model for student loans

## Awards and Grants

**HAI Graduate Fellowship, Institute for Human-Centered Artificial Intelligence, Stanford**
A fellowship program at Stanford for graduate students working in interdisciplinary research focused on advancing human-centered artificial intelligence.

**Kwanjeong Scholarship, Kwanjeong Educational Foundation**
A merit-based scholarship awarded by MKwanjeong Educational Foundation for academic excellence and leadership potential.

**IITP Research Grants, MIST (Ministry of Science and ICT) Korea**
A merit-based scholarship awarded by MIST Korea under the National Program for Excellence in SW.

**ACM SIGCHI Student Travel Grants, ACM SIGCHI**
A grant awarded by SIGCHI for students whose papers are accepted to travel to the conference.

**Semester Honor Scholarship, Sogang University**
An award for the CS students at Sogang University with the best academic record. Awarded to top 5% students in the CS department.

**Won 2nd Place in French Higher Education Hackathon.**
An award by French Embassy for Hackathon winners. Awarded to top 3 teams.

## Patents

A VRM Classifier for Form and Speech Act Analysis
Juho Kim, Sungchul Lee, Jisu Lee, **Jeongyeon Kim**, KAIST, Filed 2020.

Real-time Chat User Interface Based on VRM Classifier for Form and Speech Act Analysis
Juho Kim, Sungchul Lee, Jisu Lee, **Jeongyeon Kim**, KAIST, Filed 2020.

## Teaching Assistant

**CS374: Introduction to HCI**                                                Spring 2021
Responsibilities included: leading a weekly studio session for mentoring students with design projects, managing assignments and design projects

**CS204: Discrete Mathematics**                                                Fall 2020
Responsibilities included: managing assignments, managing course logistics, holding office hours

**CS492: Introduction to Research**                                                Spring 2020
Responsibilities included: managing assignments, managing course logistics

**COR1009: Computational Thinking**                                                Spring 2019
Responsibilities included: mentoring students with Python and C programming, managing programming exercises

## Service

**Reviewer**

TOCHI '23, UIST '22, CHI '22 Papers, CSCW '21 Papers, CHI '19 Posters

**Local Community**

Mentor, **Programming Mentoring**, Daejeon, Korea                                Sep. 2019 – Feb. 2020
Taught low-income middle schoolers about programming

Mentor, **Disability Support Worker**, Seoul, Korea                                Mar. – Jun. 2019
Assisted a visually impaired student with taking Programming Language course, academic tutoring

Mentor, **Programming Mentoring**, Daejeon, Korea                                Jul. 2018
Assisted instructing 100 students with Scratch class, drafted lesson plans

Teacher, **Computational Thinking class**, Suwon, Korea                                Jul. 2018 – Jun. 2019
Planned and led computational thinking class for 20 elementary school students, prepared learning materials including lecture slides and coding projects