Jeongeon Park

Human-Computer Interaction Researcher @ UC San Diego

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Research Interests

Human-Computer Interaction, Human-AI Interaction, Social Computing

Education

University of California, San Diego   **Sep 2024 - Present**
Ph.D. in Cognitive Science   La Jolla, CA
Advisor: Steven Dow

Korea Advanced Institute of Science and Technology (KAIST)   **Aug 2021 - Aug 2023**
M.S. in School of Computing   Daejeon, Republic of Korea
Advisor: Juho Kim

Korea Advanced Institute of Science and Technology (KAIST)   **Sep 2016 - Jun 2021**
B.S. in School of Computing   Daejeon, Republic of Korea
Minor in Industrial and Systems Engineering, Certificate in Artificial Intelligence
Excellence in Leadership and Volunteer Activity

Experience

RESEARCH EXPERIENCE

UC San Diego Design Lab, Doctoral Researcher   *Sep 2024 - Present*
Advisor: Steven Dow

- Investigating AI-supported ideation methods for a community-driven design process.

DGIST Intelligence Augmentation Group (DIAG), Researcher   *Oct 2023 - Jul 2024*
Advisor: Jean Y. Song

- Exploring feedback generation with LLMs for academic speech preparation and rehearsal.

KAIST Interaction Lab (KIXLAB), Graduate Research Assistant   *Aug 2021 - Sep 2023*
Advisor: Juho Kim
First-authored Projects:

- Explored LLM-powered conversational interactions for personalized decision-making support. [a.1, p.7]
- Suggested a crowd feedback workflow for machine learning label set-building process. [c.2, p.4]

Collaborations:

- Supported designer's ideation process of combining multiple references with Generative AI models. [c.3]
- Designed a human-LLM QA co-generation system to enable researchers to promote their research. [c.4]
- Enhanced instructor-learner interaction with transcript-based annotations. [c.5]

KAIST Interaction Lab (KIXLAB), Undergraduate Research Intern   *Sep 2019 - Aug 2021*
Advisor: Juho Kim

- Built a crowd-supported system to aid the iterative conversation design process. [c.1, p.1-3]
- Suggested a workflow to inductively generate a label set along with annotations.

DataStreams, Industry-Academia Research Intern   *Sep 2020 - Feb 2021*
Advisor: Okjoo Choi
- Visualized text data with entity linking, made an interface named Data to Knowledge.
- Mainly contributed to building the interface that visualizes the entity linking results.

NAVER Clova AI, Research Intern   *Jul 2020 - Aug 2020*
Mentor: Jinyeong Yim
- Provided model insights to annotators to generate a taxonomy structure for structured documents.
- Designed interactions and built interfaces for label generation, label aggregation, and data collection.

WORK EXPERIENCE

NAVER, Software Engineer Intern   *Jul 2019 - Aug 2019*
- Built an ad log forecasting page after analyzing and predicting advertisement logs, using Spark and Next.js.
- Reached a similar performance in comparison to the company's commercial product.

Publication

CONFERENCE PAPERS

[c.5] **EduLive: Re-Creating Cues for Instructor-Learner Interaction in Educational Live Streams with Learners' Transcript-Based Annotations**
Jingchao Fang, <u>Jeongeon Park</u>, Juho Kim, Hao-Chuan Wang
CSCW 2024 (to appear)

[c.4] **Co-Creating Question-and-Answer Style Articles with Large Language Models for Research Promotion**
Hyunseung Lim, Ji Yong Cho, Taewan Kim, <u>Jeongeon Park</u>, Hyungyu Shin, Seulgi Choi, Sunghyun Park, Kyungjae Lee, Juho Kim, Moontae Lee, Hwajung Hong
DIS '24: Proceedings of the 2024 ACM Designing Interactive Systems Conference.

[c.3] **CreativeConnect: Supporting Reference Recombination for Graphic Design Ideation with Generative AI**
DaEun Choi, Sumin Hong, <u>Jeongeon Park</u>, John Joon Young Chung, Juho Kim
CHI '24: Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems.

[c.2] **DynamicLabels: Supporting Informed Construction of Machine Learning Label Sets with Crowd Feedback**
<u>Jeongeon Park</u>, Eun-Young Ko, Yeon Su Park, Jinyeong Yim, Juho Kim
IUI '24: Proceedings of the 29th International Conference on Intelligent User Interfaces.

[c.1] **ProtoChat: Supporting the Conversation Design Process with Crowd Feedback**
Yoonseo Choi, Toni-Jan Keith Monserrat, <u>Jeongeon Park</u>, Hyungyu Shin, Nyoungwoo Lee, Juho Kim
CSCW '20. Proceedings of the ACM on Human-Computer Interaction Vol. 4, Issue CSCW3, Article 225.

POSTERS, DEMOS, WORKSHOP PAPERS

[p.7] **How do multiple LLM-powered conversational agents assist sensemaking and decision-making in an unfamiliar domain?**
<u>Jeongeon Park</u>, Bryan Min, Jean Y. Song, Xiaojuan Ma, Juho Kim
CHI 2024 Sensemaking Workshop.

[p.6] **AudiLens: Configurable LLM-Generated Audiences for Public Speech Practice**
<u>Jeongeon Park</u>*, DaEun Choi*
UIST 2023 Student Innovation Contest. JURY'S BEST SIC HONORABLE MENTION

[p.5] **reBalance: A Customizable Data Visualization Approach to Keeping a Balanced Health**
Sangkyung Kwak, Nabila Sindi Listyo, <u>Jeongeon Park</u>, Uichin Lee
HCI Korea 2022 Capstone Paper.

[p.4] **Supporting Dynamic Construction of Datasets with Annotator Suggestions**
<u>Jeongeon Park</u>, Eunyeong Ko, Donghoon Han, Jinyeong Yim, Juho Kim
HCOMP 2021 Works-in-Progress.

[p.3] **ProtoChat: Supporting the Conversation Design Process with Crowd Feedback**
Yoonseo Choi, Toni-Jan Keith Monserrat, <u>Jeongeon Park</u>, Hyungyu Shin, Nyoungwoo Lee, Juho Kim
CSCW 2020 Demo.

[p.2] **Leveraging the Crowd to Support the Conversation Design Process**
Yoonseo Choi, Hyungyu Shin, Toni-Jan Keith Monserrat, Nyoungwoo Lee, <u>Jeongeon Park</u>, Juho Kim
CHI 2020 Workshop on CUI@CHI.

[p.1] **Supporting an Iterative Conversation Design Process**
Yoonseo Choi, Hyungyu Shin, Toni-Jan Keith Monserrat, Nyoungwoo Lee, <u>Jeongeon Park</u>, Juho Kim
CHI 2020 Extended Abstracts.

PREPRINTS

[a.2] **TeachTune: Reviewing Pedagogical Agents Against Diverse Student Profiles with Simulated Students**
Hyoungwook Jin, Minju Yoo, <u>Jeongeon Park</u>, Yokyung Lee, Xu Wang, Juho Kim
arXiv 2024.

[a.1] **ChoiceMates: Supporting Unfamiliar Online Decision-Making with Multi-Agent Conversational Interactions**
<u>Jeongeon Park</u>, Bryan Min, Xiaojuan Ma, Juho Kim
arXiv 2023.

Awards & Honors

Gary Marsden Travel Awards ($2,500 USD), ACM SIGCHI - Travel support for IUI '24   *2024*

Jury's Best SIC Honorable Mention - UIST 2023 Student Innovation Contest [p.6]   *2023*

Certificate of Excellence - Education 4.0 Q TA Report for CS374: Introduction to HCI   *2023*

Special Recognition for Outstanding Reviews - CHI 2023   *2022*

Leadership Mileage Certificate, KAIST   *2021*
Awarded to top 4% among 3,600+ students with top achievements in leadership activities.

Teaching & Mentoring

TEACHING ASSISTANT

COGS 123: Social Computing   *Fall 2024*

CS374: Introduction to Human-Computer Interaction   *Spring 2023*
Led studio sessions for design project milestones, designed Figma and programming assignments.

CS101: Introduction to Programming   *Spring 2020 - Spring 2021, Fall 2022*
Introductory-level course required for all freshmen at KAIST. Assisted students during lab sessions.

CS206: Data Structure   *Spring 2022*

Required course for all CS students at KAIST. Graded assignments and exams.

CS473: Introduction to Social Computing *Fall 2021*
Provided feedback on design projects, graded design project milestones and reading responses.

HSS024(E): Advanced Writing *Fall 2018*
Assisted class discussion sessions, provided feedback on writing assignments.

KAIST EFL (English as a Foreign Language Program) *Fall 2017*
Provided on-demand assistance to professors and students as a department TA.

Mentoring

KAIST Global Center for Gifted Students, Mentor *Mar 2019 - Nov 2023*
Co-developed curriculum and teaching materials on STEAM topics, instructed twelve 6th-grade students each year.

LG-KAIST Science English Camp, Head Mentor *Jul 2017 - Dec 2018*

Service

Academic Service

Student Volunteer - IUI 2022, UIST 2023
Reviewer - CHI 2023-25, CHI LBW 2023-24, C&C 2024, CSCW 2023-24, UIST 2024

Outreach and Leadership

Student Organizer & Leader, KAIST exploreCSR (sponsored by Google Research) *May 2022 - Feb 2023*
Freshmen Guidance Group, KAIST School of Freshman *Sep 2018 - Aug 2020*
KAIST Buddy Program Organizer, KAIST International Scholar and Student Services *Mar 2018 - Aug 2023*