

Sunyu Pang

HCI Researcher | UX Researcher

📍 Seoul, Republic of Korea

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EDUCATION

Seoul National University

M.S in Artificial Intelligence (specialization in Human-Computer Interaction)
Advisor: Prof. Joonhwan Lee, Hajin Lim

Seoul, Republic of Korea
Mar 2025 - present

Ewha Womans University

B.E. in Computer Science and Engineering,
B.A. in History of Art
Honors: Summa Cum Laude (GPA: 4.11 / 4.3)

Seoul, Republic of Korea
Mar 2020 - Feb 2025

École pour l'Informatique et les Techniques Avancées (EPITA)

Summer Program, Computer Science

Strasbourg, France
July 2024

Technical University of Darmstadt

Exchange Student, Computer Science

Darmstadt, Germany
Sep 2022 - Mar 2023

EXPERIENCE

Human-Computer Interaction + Design Lab, SNU

HCI Researcher

Seoul, Republic of Korea
Mar 2025 - present

11STREET (E-commerce platform serving millions of users)

AI Software Engineer (Internship)

Seoul, Republic of Korea
Sep 2024 - Dec 2024

- Collaborated with search product team to define requirements and evaluate AI-driven features
- Implemented a synonym dictionary leveraging LLM to enhance searching
- Developed an automated system to extract fashion product attributes

PUBLICATION

InnerPond: Fostering Inter-Self Dialogue with a Multi-Agent Approach for Introspection

Hayeon Jeon, Dakyeom Ahn*, **Sunyu Pang***, Yunseo Choi*, Suhwoo Yoon, Joonhwan Lee, Hajin Lim (*co-second author)
In Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems (CHI '26) (To appear)

PromptPirit: Automatic Prompt Engineering Assistance for Improving AI-Generated Art Reflecting User Emotion

Hannah Kim*, Hyun Lee*, **Sunyu Pang***, and Uran Oh (*co-first author)
In Proceedings of the 2024 IEEE International Conference on Information Reuse and Integration for Data Science (IRI '24)

Localization as Integrated UX Practice: Uncovering Structural Bottlenecks Behind Localization Failures

Sora Kang, **Sunyu Pang**, Sieun Jeong, Hajin Lim
In Preparation

ShortSpace: Supporting Self-Reflection through Visualizing Short-Form Media Consumption

Sunyu Pang*, Yunseo Choi*, Hyewon Cho*, Hajin Lim (*co-first author)
In Preparation

PROJECT

Character based Conversational Agent for Alleviating Depression and Anxiety

with Bigglz

- Designed CBT-based conversational flows and User Interface
- Conducted data-driven UX research by analyzing survey data to validate the effectiveness of the conversational agent

Fashion Captioning with BLIP Finetuning

- Explored human-centered fashion image captioning by fine-tuning a vision-language model to better reflect how people describe and understand fashion, improving accessibility and interpretability
- Assessed caption quality using BLEU, METEOR, and CIDEr to validate user-centered improvements in model performance

AR Campus Quest: An Interactive Onboarding Experience for University Freshmen

- Designed an educational mobile AR RPG for university freshmen, using narrative-driven gameplay to support onboarding of campus buildings from a user engagement perspective
- Integrated Unity 3D, mobile AR, and Map API to connect physical campus spaces with digital interactions

VOLUNTEERING

ACM UIST Student Volunteer	Sep 2025
Docent, Ewha Womans University Museum	Feb 2024 - Aug 2024

HONORS AND AWARDS

AI Fellowship Scholarship, Seoul National University	Mar 2025 - present
Student Research Scholarship, Ewha Womans University	Jun 2024

SKILLS

Human-Centered Design	User study, Usability testing, Prototyping, Affinity diagram, Persona, User modeling, Contextual inquiry
Quantitative Research	Experiment design, Survey, Statistical analysis (Python, R), System log analysis, Natural Language Processing and Machine Learning
Qualitative Research	Interview, Qualitative data coding and analysis
Programming	JavaScript/TypeScript, HTML/CSS, Python, C/C++, SQL
Language	Korean (Native), English (Professional proficiency), French, German (Elementary proficiency)