

Sunyu Pang

Bridging humans and technology

📍 Seoul, Republic of Korea

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🌐 sunyupang.com

EDUCATION

Seoul National University

Seoul, Republic of Korea

Mar 2025 - present

MS in Artificial Intelligence (specialization in Human-Computer Interaction)

Advisor: Prof. Joonhwan Lee, Hajin Lim

Ewha Womans University

Seoul, Republic of Korea

Mar 2020 - Feb 2025

BSE in Computer Science and Engineering,

BA in History of Art

Honors: Summa Cum Laude (GPA: 4.11 / 4.3)

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

Strasbourg, France

July 2024

Summer Program, Computer Science

Technical University of Darmstadt

Darmstadt, Germany

Sep 2022 - Mar 2023

Exchange Student, Computer Science

EXPERIENCE

Human-Computer Interaction + Design Lab, Seoul National University

Seoul, Republic of Korea

Mar 2025 - present

HCI Researcher

11STREET (Korean e-commerce platform serving millions of users)

Seoul, Republic of Korea

Sep 2024 - Dec 2024

AI Software Engineer (Internship)

- 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, Eunmee Kim, Hajin Lim (*co-second author)

In Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems (CHI '26)

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 Cross-functional Collaboration: Uncovering Workflow and Breakdowns Behind Failures

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

In Preparation

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 (AI-infused character platform startup)

- Designed therapy-informed conversational flows and user interfaces for mental wellness application
- 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

Student Volunteer, ACM Symposium on User Interface Software and Technology

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)