Chaehee Park

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Research Interest

- **LLM and Applied AI Engineering**: Passionate about designing, optimizing, and researching LLMs to develop user-centered practical solutions leveraging cutting-edge AI advancements.
- **AI Serving and Back-end Systems**: Focused on building scalable and efficient back-end systems for deploying AI models, with expertise in API-based real-time serving and large-scale data processing infrastructure.
- **AI for Social Good**: Dedicated to applying AI technologies to address social challenges in fields like psychology, education, and sustainability, contributing to impactful and meaningful solutions for a better future.

Education

Mar. 2023 - **Present**
M.S., Applied Artificial Intelligence
Sungkyunkwan University, Seoul (GPA: 4.25 / 4.5)
Advisor: Prof. Jin-Young Han

Mar. 2019 - Feb. 2023
B.S., Department of Human-Centered AI
B.S., Applied Artificial Intelligence
Sangmyung University, Seoul (GPA: 4.22 / 4.5)

Research & Work Experience

Dec 2022 - **Present**
Data Science & Artificial Intelligence Lab, Sungkyunkwan University
Working as a full-time AI researcher
Developing AI systems

June 2024 - July 2024
VOC System Team, RAON Data
Working as an intern
Conducted market research on VOC systems and performed B2C corporate analysis

May 2023 - Oct 2023
SKT AI Fellowship 5th gen., SK Telecom
Implemented personalized marketing through the introduction of AI copywriter
Developed AI copywriter systems using LLMs

June 2022 - Sep. 2022
NLP Center, NC Soft Corp
Working as an assistant in Language AI, Language Data Team
Assisted in the development of NLP data

July 2021 - Oct 2021
Institute of Intelligence Informatics Technology, Sangmyung University
Working as an undergraduate research student
Conducted research in object detection

Publications

1. E. H. Jung**, **C. H. Park** **, H. J. Hong**, J. H. Lee*, "On the Deep Generative Models Explaining the Rationale to Emotionally Supportive Conversations", KOSES Autumn Conference, October 2022. (Domestic)
2. **C. H. Park**, M. G. Yang, et al., "A Study on Ensemble Model for Predicting Prompts in Images generated by Diffusion Model", KIBME Summer Conference, June 2023. (Domestic)
3. J. W. Kang, J. W. Kim, M. G. Yang, **C. H. Park**, T. E. Kim, H. Y. Song, J. Y. Han*, "SceneDAPR: A Scene-Level Free-Hand Drawing Dataset for Web-based Psychological Drawing Assessment", Proceedings of the ACM on Web Conference (formerly WWW), May 2024.
4. J. W. Kim**& J. W. Kang**& M. G. Yang**& **C. H. Park****, et al., "Developing an AI-based Explainable Expert Support System for Art Therapy", ACM Transactions on Interactive Intelligence Systems (TiiS), IF=3.9, December 2024.
5. M. G. Yang, **C. H. Park**, J. W. Kang, J. W. Kim, T. E. Kim, H. Y. Song, J. Y. Han*, "PracticeDAPR: An AI-based Education-Supported System for Art Therapy", ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), 2025.
6. *(Revision) C. H. Park**, M. G. Yang**, T. E. Kim, H. Y. Song, J. Y. Han*, "CheckDAPR: An AI-based Education-Supported System for Art Therapy", ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2025.*
7. *(Under review) C. H. Park**, M. G. Yang**, H. S. Won, T. E. Kim, H. Y. Song, J. Y. Han*, "Try DAPR for Unraveling Your Mind: An AI-based Explainable Drawing Assessment System", ACM Symposium on User Interface Software and Technology (UIST), 2025.*
8. *(Under review) M. G. Yang, C. H. Park, H. S. Won, T. E. Kim, H. Y. Song, J. Y. Han*, "BetaDAPR: An AI-based Expert Support System for Art Therapists with Qualitative and Quantitative Assistance", TBD.*
9. *(Under review) U. J. Jeon, C. H. Park, Y. W. Lim, J. Y. Han, Y. J. Cha*, "Enhanced Object Detection in Person-in-the-Rain Test Using Auxiliary Deep Learning Methods", TBD.*

Patents

1. J.Y. Han, H.Y. Song, J.W. Kang, J.W. Kim, M. G. Yang, **C. H. Park**, T. E. Kim "Drawing-Based Assessment Subject Analysis Device, Method, and System", Republic of Korea (Apply: 10-2023-0158921)

Teaching Fellow

2023 Undergraduate Research Program (URP), Summer, Sungkyunkwan University

2022 Computing Thinking and Game Design, Spring, Sangmyung University

2021 Algorithms and Game Contents, Fall, Sangmyung University

Awards and Honors

2022 SW Scholarship, Sangmyung University
Best Paper Award, 2022 KOSES Autumn Conference

2021 Academic A Scholarship, Sangmyung University
SW Scholarship, Sangmyung University

2020 SW Academic A Scholarship, Sangmyung University

2019 Academic A Scholarship, Sangmyung University

Programming skills

Languages Python (Fluent), C/C++ (Fluent), JavaScript, Java, Linux, React / Node.js, LATEX
Pytorch (Fluent), TensorFlow