CV

Jeonghoon Park

Website	Github	LinkedIn	Mail
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EXPERIENCE

Undergraduate Research Intern
Ubiquitous AI Lab, UNIST, Republic of Korea
Jan 2025 - Present
Supervisor: Prof. Taesik Gong

- Research on On-Device AI, Human-Centered AI, Adaptive & Personalized AI
- Read and presented academic papers in English on recent advances in the field
- Working on lightweight image generation using Diffusion and AR-based models

Math Instructor
Topmath, Republic of Korea
Jul 2021 - Jul 2024

- Primary (non-part-time) instructor for multiple classes of students aged 14-19
- Taught 30+ students over 3 years with personalized, level-based instruction
- Planned lessons and monitored progress to support measurable academic growth

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EDUCATION

B.S. in Computer Science and Engineering (CSE)
UNIST, Republic of Korea
Mar 2020 - Present

- Club: EarthCops (Soccer)

TEACHING

Summer 2025

- AI Theory Education, Teaching Assistant, Ulsan AI Novatus Academia (8th)
- Project-Based Learning (PBL), Teaching Assistant, Gyeongnam AI Novatus Academia (6th)
- Theory Education, Teaching Assistant, LG Electronics Living DX Course

Spring 2025

- AI Theory Education, Teaching Assistant, Gyeongnam AI Novatus Academia (6th)

Winter 2024

- Project-Based Learning (PBL), Teaching Assistant, LG Electronics Living DX Course
- Theory Education, Teaching Assistant, LG Electronics Living DX Course

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PROJECTS

Pintos Project
Mar 2025 - Jun 2025

- Implemented core OS components based on Stanford's Pintos project: thread scheduling, system calls, user programs, virtual memory (demand paging, swapping, mmap), and extensible file system with indexed allocation
- Completed as a team project for an operating systems course
- Manual: https://web.stanford.edu/class/cs140/projects/pintos/pintos.html
- GitHub: https://github.com/hoonably/pintos

Traveling Salesman Problem (TSP) Solver
May 2025 - Jun 2025

- Implemented classical TSP algorithms (Held-Karp, MST, Greedy, 2-opt) and a novel MCMF-based heuristic
- Evaluated solution quality and runtime on diverse datasets
- Report PDF:https://hoonably.github.io/traveling-salesman/
- GitHub: https://github.com/hoonably/traveling-salesman

Sorting Algorithm Analysis
Mar 2025 - Apr 2025

- Implemented and benchmarked 12 sorting algorithms under various input conditions
- Analyzed performance, stability, and memory usage
- Report PDF: https://hoonably.github.io/sorting-project/
- GitHub: https://github.com/hoonably/Sorting-Project

TinyLLM - UAI Lab
Jan 2025 - Feb 2025

- Investigated LLMs suitable for resource-constrained environments
- Analyzed accuracy and inference time on evaluation sets

- Notion:https://foil-plant-837.notion.site/tinyllm
- GitHub: https://github.com/hoonably/TinyLLM

Problem Solving

Baekjoon Online Judge

- Best Ranking: #576 (Top 0.38%)
- Longest Streak: 366 Days (2023.12.31 - 2024.12.31)
- solved.ac: https://solved.ac/hoonably
- PS Codes Repo: https://github.com/hoonably/PS
- Algorithm Repo: https://github.com/hoonably/algorithm

Contest Participation

- ICPC 2024 Seoul Preliminary Contest - 201st
- UDPC 2025 Senior Division - 11th

Research Interests

Focused on building efficient AI systems for privacy-sensitive and resource-constrained environments. Current work includes lightweight diffusion-based image generation and adaptive, human-centered AI models.

- On-device AI for enhanced privacy and personalization
- Efficient AI model deployment under limited hardware constraints
- Human-centered and adaptive AI systems