

# Youngsik Yoon

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## Education

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**Pohang University of Science & Technology**, Pohang, S. Korea Feb. 2021 - Present  
*integrated M.S./Ph.D. in Computer Science and Engineering*  
Advisor: Jungseul Ok

**Pohang University of Science & Technology**, Pohang, S. Korea Feb. 2016 - Feb.2021  
*B.S. in Computer Science and Engineering & Mathematics*

## Research Interests

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- Efficient exploration strategies in RL
- Agentic LLMs for complex reasoning

## Publications

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- **Youngsik Yoon**, Sungjae Lee, Seockbean Song, Siwei Wang, Wei Chen, Jungseul Ok, "PaT: Planning-after-Trial for Efficient Code Generation," Pre-print
- Seungjoon Lee, Suhwan Kim, Minhyeon Oh, **Youngsik Yoon**, Jungseul Ok, "Experience-based Knowledge Correction for Robust Planning in Minecraft," Pre-print
- Seockbean Song\*, **Youngsik Yoon**\*, Siwei Wang, Wei Chen, Jungseul Ok, "Combinatorial Rising Bandit," Pre-print
- **Youngsik Yoon**, Gangbok Lee, Sungsoo Ahn, and Jungseul Ok, "Breadth-First Exploration in Grid-based Reinforcement Learning," ICML 2024
- Gangbok Lee, **Youngsik Yoon**, Jeongyeol Kwon, Sungsoo Ahn, and Jungseul Ok, "Bridging Sub-Tasks to Long-Horizon Task in Hierarchical Goal-Based Reinforcement Learning," Pre-print
- **Youngsik Yoon**\*, Jinhwan Nam\*, Hyojeong Yun, Jaeho Lee, Dongwoo Kim, and Jungseul Ok, "Few-shot Unlearning," S&P 2024
- **Youngsik Yoon**, Jinhwan Nam, Dongwoo Kim, and Jungseul Ok, "Few-shot Unlearning," ICLR 2022 Workshop on Socially Responsible Machine Learning (SRML)

## Experiences

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- Work Experience
  - MSRA, Beijing, China (Sep, 2024 - Mar, 2025)
- Service

- Graduate Student President of Computer Science & Engineering at POSTECH (Mar, 2021 - Feb, 2022)
- **Teaching Assistant**
  - CSED213 Problem Solving Practice and Application (Sep, 2025 - Dec, 2025)
  - CSED341 Automata & Formal Languages (Sep, 2023 - Dec, 2023)
  - Hyundai Steel (Jan, 2022)

## References

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**Jungseul Ok**

Assistant Professor, CSED and AIGS

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