

Youngbin Choi

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SUMMARY

Researcher at the Machine Learning Lab (ML Lab), POSTECH, advised by Prof. [Dongwoo Kim](#). I work on human-AI collaboration, personalization of large language models (LLMs), and reinforcement learning for LLMs—designing methods that make models easier to guide, efficient to refine, and adaptive to individual user preferences.

PUBLICATIONS

Preprints

- **In-Place Feedback: A New Paradigm for Guiding LLMs in Multi-Turn Reasoning**
Youngbin Choi*, Minjong Lee*, Saemi Moon, Seunghyuk Cho, Chaehyun Chung, MoonJeong Park, Dongwoo Kim
Under submission, 2025
- **Plane Geometry Problem Solving with Multi-Modal Reasoning: A Survey**
Seunghyuk Cho, Zhenyue Qin, Yang Liu, Youngbin Choi, Seungbeom Lee, Dongwoo Kim
Under submission, 2025

Published

- **CoPL: Collaborative Preference Learning for Personalizing LLMs**
Youngbin Choi, Seunghyuk Cho, Minjong Lee, MoonJeong Park, Yesong Ko, Jungseul Ok, Dongwoo Kim
EMNLP, 2025
- **GeoDANO: Geometric VLM with Domain-Agnostic Vision Encoder**
Seunghyuk Cho, Zhenyue Qin, Yang Liu, Youngbin Choi, Seungbeom Lee, Dongwoo Kim
EMNLP Findings, 2025
- **ChronoBias: A Benchmark for Evaluating Temporal Group Bias in the Time-sensitive Knowledge of LLMs**
Kyungmin Kim, Youngbin Choi, Hyounghun Kim, Dongwoo Kim, Sandon Park
EMNLP Findings, 2025
- **Spreme: Sparse Regression for Multi-Environment Dynamic Systems**
MoonJeong Park*, Youngbin Choi*, Namhoon Lee, Dongwoo Kim
AAAI Workshop on Machine Learning for Dynamical Systems (MLmDS), 2022

SCHOLARSHIPS

- **SK Hynix Scholarship** 2020 – present
- **POSTECH Global Leadership Program** 2019, 2020

TEACHING

- **AI and Big Data Academy — Machine Learning & Deep Learning**
Teaching Assistant Nov 2023, Apr 2024, Sep 2024, Nov 2024

- **POSCO — Machine Learning & Deep Learning**

Teaching Assistant

May 2022, Sep 2022, May 2023

- **Design and Analysis of Digital Systems**

Teaching Assistant

Spring 2023

- **Machine Learning**

Teaching Assistant

Fall 2022

- **Operating Systems**

Student Mentor Program

Fall 2021

- **Object-Oriented Programming**

Student Mentor Program

Spring 2021

- **Introduction to Computer Software Systems**

Student Mentor Program

Spring 2021

EDUCATION

Feb. 2022 – present

Combined Ph.D. Student at **POSTECH**, Machine Learning Lab (ML Lab)
Advisor: Prof. Dongwoo Kim

Feb. 2018 – Feb. 2022

B.S. in Computer Science at **POSTECH**