

Jongho Park

Education

University of California, Berkeley

Temporary advisors: Jason D. Lee, Song Mei

Ph.D, EECS, 2025-

University of Wisconsin-Madison

Advisor: Christos Tzamos

M.S., Computer Sciences, 2021

University of California, Berkeley

B.A., Computer Science and Mathematics (with high honors), 2019

Work

Research Scientist, KRAFTON Inc.

Lead of Core Research Team

2021 – 2025

2024 – 2025

Worked primarily on scalable algorithms for LLMs at Krafton AI.

Advised research on quantization, in-context learning, RLVR, RL theory.

Led the efficient deployment generative agents (“Smart ZOI”) onto InZOI in collaboration with NVIDIA.

Projects: [Smart ZOI](#), [Long-term memory](#)

Fulfilled alternative mandatory military service for 11/2021–11/2024.

Publications

$\alpha\text{-}\beta$ denotes alphabetical order; * denotes equal contribution.

1. [Not All Bits Are Equal: Scale-Dependent Memory Optimization Strategies for Reasoning Models](#)
Junhyuck Kim, Ethan Ewer, Taehong Moon, **Jongho Park**, Dimitris Papailiopoulos
Efficient Reasoning workshop at NeurIPS 2025. Under Review.
2. [Alignment as Distribution Learning: Your Preference Model is Explicitly a Language Model](#)
Jihun Yun*, Juno Kim*, **Jongho Park**, Jongha Jon Ryu, Junhyuck Kim, Jaewoong Cho, Kwang-Sung Jun
FoPT workshop at COLT 2025. Under Review.
3. [Can Large Language Models Develop Strategic Reasoning? Post-training Insights from Learning Chess](#)
Dongyoob Hwang, Hojoon Lee, Jaegul Choo, Dongmin Park, **Jongho Park**
ScalR workshop at COLM 2025
4. [Task Diversity Shortens the ICL Plateau](#)
Jaeyeon Kim, Sehyun Kwon, Joo Young Choi, **Jongho Park**, Jaewoong Cho, Jason D. Lee, Ernest K. Ryu
TMLR 2025
5. [Lexico: Extreme KV Cache Compression via Sparse Coding over Universal Dictionaries](#)
Junhyuck Kim, **Jongho Park**, Jaewoong Cho, Dimitris Papailiopoulos
ICML 2025. ICLR Workshop on Sparsity in LLMs (spotlight).
6. [Can Mamba Learn How to Learn? A Comparative Study on In-Context Learning](#)
Jongho Park, Jaeseung Park, Zheyang Xiong, Nayoung Lee, Jaewoong Cho, Samet Oymak, Kangwook Lee, Dimitris Papailiopoulos
ICML 2024
7. [First-order Stochastic Optimization with Oblivious Noise](#)
Ilias Diakonikolas, Sushrut Karmalkar, **Jongho Park**, Christos Tzamos ($\alpha\text{-}\beta$)
NeurIPS 2023

8. [GLM Regression with Oblivious Corruptions](#)
Ilias Diakonikolas, Sushrut Karmalkar, **Jongho Park**, Christos Tzamos (α - β)
COLT 2023
9. [Prompted LLMs as Chatbot Modules for Long Open-domain Conversation](#)
Gibbeum Lee*, Volker Hartmann*, **Jongho Park***, Dimitris Papailiopoulos, Kangwook Lee
Findings of ACL 2023
10. [ReLU Regression with Massart Noise](#)
Ilias Diakonikolas, **Jongho Park**, Christos Tzamos (α - β)
NeurIPS 2021
11. [On Robust Mean Estimation under Coordinate-level Corruption](#)
Zifan Liu*, **Jongho Park***, Theodoros Rekatsinas, Christos Tzamos
ICML 2021
12. [Literary Event Detection](#)
Matthew Sims, **Jongho Park**, David Bamman
ACL 2019

Awards and Fellowships

Kwanjeong Educational Foundation Fellowship	2019 – 2021
CS Summer Research Assistantship Awarded to outstanding students who were first-year graduate students at UW-Madison.	<i>Summer 2020</i>
CS Departmental Scholarship	<i>UW-Madison, 2019–2020</i>

Teaching Experience

Teaching Assistant, UW-Madison

- Advanced Algorithms (COMPSCI 787), Fall 2020
- Intro to Algorithms (COMPSCI 577), Spring 2020
- Intro to Discrete Math (COMPSCI 240), Fall 2019

Head Teaching Assistant, UW-Madison

- Intro to Algorithms (COMPSCI 577), Spring 2021

Undergraduate Student Instructor, UC Berkeley

- Efficient Algorithms and Intractable Problems (CS 170), 2018–2019
- Intro to Discrete Math and Probability (CS 70), Summer 2017

Professional Service

Reviewer: ACL, AISTATS, NeurIPS, ICML, ICLR, STOC

Languages

English (native), Korean (native)

Python (PyTorch), L^AT_EX

References

Jason D. Lee	Associate Professor, UC Berkeley
Song Mei	Assistant Professor, UC Berkeley
Kangwook Lee	Assistant Professor, UW-Madison; Krafton AI
Dimitris Papailiopoulos	Associate Professor, UW-Madison; Microsoft Research
Christos Tzamos	Associate Professor, University of Athens
Ilias Diakonikolas	Professor, UW-Madison