Jongho Park

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Education

University of California, Berkeley   *Ph.D, Computer Sciences, 2025-*
Temporary advisors: Jason D. Lee, Song Mei

University of Wisconsin-Madison   *M.S., Computer Sciences, 2021*
Advisor: Christos Tzamos

University of California, Berkeley   *B.A., Computer Science and Mathematics (with high honors), 2019*

Work

Research Scientist, KRAFTON Inc.   *2021 – 2025*
Lead of Core Research Team   *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 colloboration with NVIDIA.
   Projects: Smart ZOI, Long-term memory
Fulfilled alternative mandatory military service for 11/2021–11/2024.

Publications

*α-β denotes alphabetical order; * denotes equal contribution.*

1. Can Large Language Models Develop Strategic Reasoning? Post-training Insights from Learning Chess
   Dongyoon Hwang, Hojoon Lee, Jaegul Choo, Dongmin Park, **Jongho Park**
   ScalR workshop at COLM 2025

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

3. 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

4. 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).

5. 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

6. First-order Stochastic Optimization with Oblivious Noise
   Ilias Diakonikolas, Sushrut Karmalkar, **Jongho Park**, Christos Tzamos (*α-β*)
   NeurIPS 2023

7. GLM Regression with Oblivious Corruptions
   Ilias Diakonikolas, Sushrut Karmalkar, **Jongho Park**, Christos Tzamos (*α-β*)
   COLT 2023

8. [Prompted LLMs as Chatbot Modules for Long Open-domain Conversation](#)
   Gibbeum Lee*, Volker Hartmann*, **Jongho Park***, Dimitris Papailiopoulos, Kangwook Lee
   Findings of ACL 2023

9. [ReLU Regression with Massart Noise](#)
   Ilias Diakonikolas, **Jongho Park**, Christos Tzamos (α-β)
   NeurIPS 2021

10. [On Robust Mean Estimation under Coordinate-level Corruption](#)
    Zifan Liu*, **Jongho Park***, Theodoros Rekatsinas, Christos Tzamos
    ICML 2021

11. [Literary Event Detection](#)
    Matthew Sims, **Jongho Park**, David Bamman
    ACL 2019

Awards and Fellowships

Kwanjeong Educational Foundation Fellowship   *2019 – 2021*

CS Summer Research Assistantship   *Summer 2020*
Awarded to outstanding students who were first-year graduate students at UW-Madison.

CS Departmental Scholarship   *UW-Madison, 2019–2020*

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, STOC

Languages
English (native), Korean (native)
Python (PyTorch), LaTeX

References

Christos Tzamos   Associate Professor, University of Athens

Ilias Diakonikolas   Professor, University of Wisconsin-Madison

Kangwook Lee   Assistant Professor, University of Wisconsin-Madison; Krafton AI

Dimitris Papailiopoulos   Associate Professor, University of Wisconsin-Madison