

# Kefei Duan

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## RESEARCH INTERESTS

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Reinforcement Learning, Embodied Agent

## EDUCATION

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**Washington University in St. Louis, MO, USA**

Aug. 2023 - Present

PhD candidate, Major in Computer Science

Advised by Prof. Chongjie Zhang

**Peking University, Beijing, China**

Sep. 2019 - Jul. 2023

Bachelor of Science in Intelligence Science and Technology

GPA: 3.741/4.0 (Rank: 10/81)

Advised by Prof. Ming Zhang

## PUBLICATIONS

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Heng Dong\*, **Kefei Duan\***, Chongjie Zhang. Enhancing Decision-Making of Large Language Models via Actor-Critic. ICML 2025.

Eric Pasewark, Kyle Montgomery, **Kefei Duan**, Dawn Song, Chenguang Wang. Re-Tuning: Overcoming the Compositionality Limits of Large Language Models with Recursive Tuning. ACL 2024.

Zequn Liu, **Kefei Duan**, Junwei Yang, Hanwen Xu, Ming Zhang, Sheng Wang. MetaFill: Text Infilling for Meta-Path Generation on Heterogeneous Information Networks. EMNLP 2022.

## EXPERIENCE

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**Research Assistant**

Aug. 2021 - Jun. 2022

*Paul G. Allen School of Computer Science & Engineering, University of Washington, Seattle*

**Research Intern**

Nov. 2021 - Nov. 2022

*Montreal Institute for Learning Algorithms (MILA), University of Montreal*

**Research Intern**

Jul. 2022 - Sep. 2022 / Feb. 2023 - Jun. 2023

*Paul G. Allen School of Computer Science & Engineering, University of Washington, Seattle*

**Research Intern**

May. 2021 - Jul. 2023

*Dlib, Peking University, Beijing, China*

**Teaching Assistant**

Sep. 2022 - Dec. 2022

*Peking University, Beijing, China. Teaching Assistant of course Introduction to Computation (C).*

## AWARDS

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**China Merchants Securities Scholarship** (Beijing, Peking University)

Sep. 2022

**Merit Student Award** (Beijing, Peking University)

Sep. 2022

**National Inspirational Scholarship** (Beijing, Peking University)

Oct. 2022

**National Scholarship**

Sep. 2021

\* Highest scholarship awarded by the Chinese government, <0.1%

**Merit Student Award** (Beijing, Peking University)

Sep. 2021

**Third Class Scholarship** (Beijing, Peking University)

Sep. 2020

**Merit Student Award** (Beijing, Peking University)

Sep. 2020

# TECHNICAL SKILLS

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**Programming Languages:** Python, C/C++, Matlab

**Softwares/Platforms/Libraries:** PyTorch

**Research Tools:** LaTeX, GitHub