Jikun Kang

Curriculum Vitae

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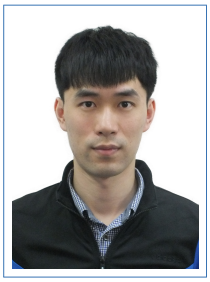

Education

2017–2023 **PhD, School of Computer Science**, *McGill University*, Montreal, Canada.
Reinforcement Learning, Multi-agent Reinforcemeng Learning, Meta-Reinforcement Learning, LLM-based Reinforcement Learning

2014–2017 : **Master of Computer Software and Theory**, *Northeastern University*, Shenyang, China.

GPA : 3.63 / 4.00; Ranked: 10 / 180

2010–2014 : **Bachelor of Computer Science and Technology**, *Kunming University of Science and Technology*, Kunming, China.

GPA : 4.00/4.00; Ranked: 1 / 160

Publications

In Conference Proceedings

2024 **Jikun Kang, Romain Laroche, Xindi Yuan, Adam Trischler, Xue Liu and Jie Fu**, Think Before You Act: Decision Transformers with Internal Working Memory, The International Conference on Machine Learning (ICML).

2024 **Rongrong Wang, Duc Van Le, Jikun Kang, Rui Tan, and Xue liu**, Incentive Temperature Control for Green Colocation Data Centers via Reinforcement Learning, IEEE/ACM International Symposium on Quality of Service (IWQoS).

2024 **Qianxi Li, Yingyue Cao Jikun Kang, Tianpei Yang, Xi Chen, Jun Jin, Matthew E. Taylor**, LaFFi: Leveraging Hybrid Natural Language Feedback for Fine-tuning Language, AAAI 2024 Human-Centric Representation Learning..

2023 **Jikun Kang, Di Wu, Ju Wang, Xue Liu, and Gregory Dudek**, Multi-agent Attention Actor-Critic Algorithm for Load Balancing in Cellular Networks, IEEE International Conference on Communications (ICC).

2022 **Jikun Kang, Miao Liu, Abhinav Gupta, Chris Pal, Xueliu, and Jie Fu**, Learning Multi-Objective Curricula for Deep Reinforcement Learning, The Conference on Robot Learning (CORL).

2022 **Jikun Kang, Ju Wang, Chengming Hu, Xueliu, and Gregory Dudek**, A Generalized Load Balancing Policy with Multi-teacher Reinforcement Learning, IEEE Global Communications Conference (GLOBECOM).

2021 Di Wu, **Jikun Kang**, Yitian Xu, Hang Li, Jimmy Li, Xi Chen, Dmitriy Rivkin, Jenkin Michael, Tasesop Lee, and Intaik Park. Load balancing for communication networks via data-efficient deep reinforcement learning. In *GLOBECOM*, pages 12–18. IEEE, 2021.

2021 Di Wu, Jikun Kang, Yitian Xu, Hang Li, Jimmy Li, Xi Chen, Dmitriy Rivkin, Jenkin Michael, Tasesop Lee, and Intaik Park. Load balancing for communication networks via data-efficient deep reinforcement learning. In *GLOBECOM*. IEEE, 2021.

2021 **Jikun Kang**, Xi Chen, Di Wu, Yi Tian Xu, Xue Liu, Gregory Dudek, Taeseop Lee, and Intaik Park. Hierarchical policy learning for hybrid communication load balancing. In *ICC*, pages 1–6. IEEE, 2021.

2021 Chengming Hu, Xi Chen, Ju Wang, Hang Li, **Jikun Kang**, Yitian Xu, Xue Liu, Di Wu, Seowoo Jang, Intaik Park, and Gregory Dudek. Afb: Improving communication load forecasting accuracy with adaptive feature boosting. In *GLOBECOM*, pages 25–32. IEEE, 2021.

2020 Gupta Abhinav, Chakravoty Jhelum, **Jikun, Kang**, and Precup Doina. Multi-agent option critic framework. *Neurips RL Workshop*, 2020.

Journal Articles

2021 **Tianyi Chen, Shengrong Bu, Xue Liu, Jikun Kang, Yu F. Richard, and Han ZHu**, Peer-to-peer, transactive energy, blockchain power grid applications, In *IEEE Transactions on Smart Grid*.

Working Experience

June 2023 – Present **AI Research Scientist**, *Huawei Noah's Ark Lab*, Montreal, Canada.
Focused on superalignment, improving reasoning abilities in LLM, RLHF, RLAIF, foundation models for decision making in AI.

Mar.,2020 – May.,2023 ***Sansumg AI Research Center***, *Montreal*, Canada.
AI Research Intern

Apr.,2019 – Jul.,2019 ***Learnable AI, Inc.***, *Boston*, US.
AI Researcher

Dec.,2018 – Mar.,2019 ***Blaise Transit, Inc.***, *Montreal*, Canada.
AI Researcher

Feb., 2017 – Aug., 2017 ***Siemens China Research Institute***, *Beijing*, China.
Intern

Awards

2022 McGill University the GREAT Award

2017 – 2021 Merit scholarship program for foreign students.

2014 First Class Scholarship of Northeastern University.

2011 Provincial Government Scholarship.

Computer skills

Programming Languages Python, PyTorch, JAVA

Teaching Assistantship

Fall,2018-Winter,2021: **COMP202: Foundations of Programming**, McGill University.

Winter,2019 Winter, 2023: **COMP535: Computer Networks**, McGill University.

Winter,2018 : **COMP599: Advanced Topics in Computer Science**, McGill University.

Service

2022-2023: **Reviewer of NeurIPS**.

2022-2024: **Reviewer of ICML**.

2022-2024 **Reviewer of ICLR**.

2023 **Reviewer of AISTATS**.

Invited Talk

2022: **Learning Multi-Objective Curricula for Robotics Policy Learning**, Represent for Ph.D. Student in 50th anniversary of the McGill School of Computer Science.