Byoungwoo Park

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EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) Daejeon, Republic of Korea
M.S. in Artificial Intelligence (Advisor: Prof. Juho Lee) *03/2024 – Present*

Inha University Incheon, Republic of Korea
B.S. in Statistics. *03/2014 – 08/2021*

RESEARCH INTERESTS

My research interests are Generative Model, State Space Model, Variational Inference and Stochastic Optimal Control. I aim to leverage these areas to deepen theoretical understanding and develop practical applications.

PUBLICATIONS

Preprints

Byoungwoo Park, Hyungi Lee, Juho Lee,
Amortized Control of Continuous State Space Feynman-Kac Model for Irregular Time Series, Submitted, 2024.
Abridged in NeurIPS 2024 Workshop on Bayesian Decision-making and Uncertainty.

Conference Papers (∗ equal contribution, ˆ equal advising)

Byoungwoo Park, Jungwon Choi, Sungbin Limˆ and Juho Leeˆ,
Stochastic Optimal Control for Diffusion Bridges in Function Spaces, in *Advances in Neural Information Processing Systems (NeurIPS)*, 2024

Sungwoo Park*, Byoungwoo Park*, Moontae Lee and Changhee Lee,
Neural Stochastic Differential Games for Time-series Analysis, in *International Conference on Machine Learning (ICML)*, 2023

RESEARCH EXPERIENCE

Statistical Inference and Machine Learning Lab, KAIST Daejeon, Republic of Korea
Research Assistant *07/2023 - Present*

The Decision Intelligence Lab, CAU Seoul, Republic of Korea
Research Assistant *02/2023 - 03/2023*

Computer Vision and Machine Learning Lab, CAU Seoul, Republic of Korea
Research Assistant *09/2021 - 01/2023*
Undergraduate Research Assistant *12/2020 - 08/2021*

AWARDS

- NeurIPS 2024 Scholar Award

ACADEMIC SERVICE (REVIEWER)

- Reviewer: ICML 2022, ICLR 2025

OTHER EXPERIENCE

Republic of Korea Air Force Republic of Korea
Discharged upon Completing Military Service as a Sergeant *07/2014-07/2016*