SEOHONG PARK

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EDUCATION

University of California, Berkeley Aug 2022 - Present
Ph.D. student in Computer Science *Berkeley, CA*

Seoul National University Mar 2014 - Aug 2022
B.S. in Computer Science and Engineering *Seoul, Korea*
GPA: 4.26/4.3 (cumulative), 4.3/4.3 (major)
Leave of absence for military service: Sep 2017 - Sep 2020 (3 years)

The University of Tokyo Sep 2016 - Feb 2017
Exchange student *Tokyo, Japan*

Seoul Science High School Mar 2011 - Feb 2014
High school for gifted students in mathematics and science *Seoul, Korea*

PUBLICATIONS AND PREPRINTS

Preprints (*: equal contribution)

1. **Seohong Park**, Kevin Frans, Sergey Levine, Aviral Kumar
   Is Value Learning Really the Main Bottleneck in Offline RL?
   Preprint

International Conferences (*: equal contribution)

1. **Seohong Park**, Tobias Kreiman, Sergey Levine
   Foundation Policies with Hilbert Representations
   International Conference on Machine Learning (**ICML**), **2024**
2. Kevin Frans, **Seohong Park**, Pieter Abbeel, Sergey Levine
   Unsupervised Zero-Shot Reinforcement Learning via Functional Reward Encodings
   International Conference on Machine Learning (**ICML**), **2024** (**Spotlight**)
3. **Seohong Park**, Oleh Rybkin, Sergey Levine
   METRA: Scalable Unsupervised RL with Metric-Aware Abstraction
   International Conference on Learning Representations (**ICLR**), **2024** (**Oral**)
4. **Seohong Park**, Dibya Ghosh, Benjamin Eysenbach, Sergey Levine
   HIQL: Offline Goal-Conditioned RL with Latent States as Actions
   Neural Information Processing Systems (**NeurIPS**), **2023** (**Spotlight**)
5. **Seohong Park**, Kimin Lee, Youngwoon Lee, Pieter Abbeel
   Controllability-Aware Unsupervised Skill Discovery
   International Conference on Machine Learning (**ICML**), **2023**
6. **Seohong Park**, Sergey Levine
   Predictable MDP Abstraction for Unsupervised Model-Based RL
   International Conference on Machine Learning (**ICML**), **2023**
7. Jaekyeom Kim, **Seohong Park**, Gunhee Kim
   Constrained GPI for Zero-Shot Transfer in Reinforcement Learning
   Neural Information Processing Systems (**NeurIPS**), **2022**

8. **Seohong Park**, Jongwook Choi*, Jaekyeom Kim*, Honglak Lee, Gunhee Kim
Lipschitz-constrained Unsupervised Skill Discovery
International Conference on Learning Representations (**ICLR**), **2022**
Gold Prize (1st Place in Signal Processing), Samsung Humantech Paper Award

9. **Seohong Park**, Jaekyeom Kim, Gunhee Kim
Time Discretization-Invariant Safe Action Repetition for Policy Gradient Methods
Neural Information Processing Systems (**NeurIPS**), **2021**

10. Jaekyeom Kim*, **Seohong Park***, Gunhee Kim
Unsupervised Skill Discovery with Bottleneck Option Learning
International Conference on Machine Learning (**ICML**), **2021**

WORK EXPERIENCE

Devsisters
Machine Learning Engineer — Sep 2018 - Sep 2020

· Worked as part of the mandatory military service in the Republic of Korea

Ace Project
Software Engineer — Sep 2017 - Aug 2018

· Worked as part of the mandatory military service in the Republic of Korea

HONORS AND AWARDS

Scholarships

· **KFAS Overseas PhD Scholarship** — Aug 2022 - Present
Korea Foundation for Advanced Studies (KFAS)
Full tuition, insurance, and living expenses support for graduate studies

· **Berkeley Fellowship** — Aug 2022 - Aug 2023

· **Presidential Science Scholarship** — Mar 2014 - Aug 2022
Korea Student Aid Foundation (KOSAF)
Full tuition and living expenses support for undergraduate studies

Awards

· **Gold Prize** (**1st Place** in Signal Processing), Samsung Humantech Paper Award — Jan 2022

Programming Contests (Selected)

· **2nd Place**, ACM-ICPC Asia Daejeon Regional Contest — Nov 2016
· **1st Place**, Google Code Jam Round 1C — May 2016
· **3nd Place**, ACM-ICPC Asia Daejeon Regional Contest — Nov 2015
· **1st Place**, ACM-ICPC Asia Daejeon Regional Preliminary Contest — Oct 2015
· **1st Place**, Korea Olympiad in Informatics (KOI) — Jul 2012

SERVICES

Reviews

· **Conferences**: ICML (2023, 2024), NeurIPS (2023, 2024), ICLR (2023, 2024), IROS (2024)
· **Workshops**: ICML Frontiers4LCD (2023), NeurIPS FMDM (2023)