

# SEOHONG PARK

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## EDUCATION

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<b>University of California, Berkeley</b> Ph.D. student in Computer Science	Aug 2022 - Present <i>Berkeley, CA</i>
<b>Seoul National University</b> B.S. in Computer Science and Engineering GPA: 4.26/4.3 (cumulative), 4.3/4.3 (major) Leave of absence for military service: Sep 2017 - Sep 2020 (3 years)	Mar 2014 - Aug 2022 <i>Seoul, Korea</i>
<b>The University of Tokyo</b> Exchange student	Sep 2016 - Feb 2017 <i>Tokyo, Japan</i>
<b>Seoul Science High School</b> High school for gifted students in mathematics and science	Mar 2011 - Feb 2014 <i>Seoul, Korea</i>

## PUBLICATIONS AND PREPRINTS

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### International Conferences (\*: equal contribution)

- 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
- Seohong Park**, Jaekyeom Kim, Gunhee Kim  
Time Discretization-Invariant Safe Action Repetition for Policy Gradient Methods  
Neural Information Processing Systems (**NeurIPS**), **2021**
- Jaekyeom Kim\*, **Seohong Park\***, Gunhee Kim  
Unsupervised Skill Discovery with Bottleneck Option Learning  
International Conference on Machine Learning (**ICML**), **2021**
- Younghyun Cho, Florian Negele, **Seohong Park**, Bernhard Egger, Thomas R. Gross  
On-The-Fly Workload Partitioning for Integrated CPU/GPU Architectures  
International Conference on Parallel Architectures and Compilation Techniques (**PACT**), **2018**

## WORK AND RESEARCH EXPERIENCE

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<b>Vision &amp; Learning Laboratory</b> at Seoul National University Undergraduate Researcher (Supervisor: Prof. Gunhee Kim) · Topic: Reinforcement learning	Sep 2020 - Jun 2022
<b>Devsisters</b> Machine Learning Engineer · Worked as part of the mandatory military service in the Republic of Korea · Developed RL agents for various mobile games as internal or commercial products	Sep 2018 - Sep 2020
<b>Ace Project</b> Software Engineer	Sep 2017 - Aug 2018

- Worked as part of the mandatory military service in the Republic of Korea
- Solved combinatorial optimization problems with genetic algorithms and RL

**Computer Systems and Platforms Laboratory** at Seoul National University

Undergraduate Researcher (Supervisor: Prof. Bernhard Egger)

Mar 2017 - May 2018

- Topic: Computer architecture

## HONORS AND AWARDS

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### Scholarships

- **KFAS Overseas PhD Scholarship** Aug 2022 - Present  
Korea Foundation for Advanced Studies (KFAS)  
Full tuition, insurance, and living expenses support for graduate studies
- **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
- **3rd 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

## LANGUAGES

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**English** (Fluent), **Korean** (Native), **Japanese** (Fluent)