

# SEOHONG PARK

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## EDUCATION

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<b>Seoul National University</b> B.S. student in Computer Science and Engineering GPA: 4.27/4.3 (cumulative), 4.3/4.3 (major) Leave of absence for military service: Sep 2017 - Sep 2020 (3 years)	Mar 2014 - Aug 2022 (Expected) <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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**Vision & Learning Laboratory** at Seoul National University  
Undergraduate Researcher (Supervisor: Prof. Gunhee Kim)      Sep 2020 - Present  
· Topic: Reinforcement learning

### Devsisters

Machine Learning Engineer      Sep 2018 - Sep 2020  
· 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

### Ace Project

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

- **Presidential Science Scholarship** Mar 2014 - Aug 2022 (Expected)  
Korea Student Aid Foundation (KOSAF)  
Full tuition and living expenses during undergraduate years (about \$10K/year in total)

### 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, GRE: V165/Q170/AWA4.5), **Korean** (Native), **Japanese** (Fluent)