

Kwanyoung Park

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EDUCATION

Seoul National University B.S. in Computer Science & Engineering, B.S. in Mathematics (Minor) Leave of absence for military service: July 2021 - Jan 2023	Mar '19 - Present GPA: 3.83 / 4.0
Stanford University Visiting student	Jun '23 - Aug '23 GPA: 4.0 / 4.0
Gyeonggi Science High School High school for gifted students in science and mathematics	Mar '16 - Feb '19

EXPERIENCE

Yonsei RL Lab - Undergraduate Research Intern <ul style="list-style-type: none">Researching on offline model-based reinforcement learning algorithms, especially focusing on exploiting shared world models for multiple tasks.	Jan '24 - Present
SNU Human-Centered Computer Systems Lab - Undergraduate Research Intern <ul style="list-style-type: none">Researched a NeRF model architecture (based on Gaussian Splatting) that can reduce network consumption while being executable in mobile devices.	Feb '23 - Dec '23
Ministry of National Defense - Research Engineer (Military Service) <ul style="list-style-type: none">Worked as main developer of an NLP projectTrained a BERT-based model for a specific domain of Korean language and fine-tuned it for various tasks.	Jul '21 - Jan '23
SNU Human-Centered Computer Systems Lab - Undergraduate Research Intern <ul style="list-style-type: none">Developed VECA, which is the first benchmark to assess the overall cognitive development of an AI agent, including a toolkit to generate diverse and distinct cognitive tasks.Developed a representation learning algorithm based on the agents interaction using VECA.Researched the impact of guidance (e.g. offline trajectory, dense rewards) during reinforcement learning and its performance on transfer learning.	Jun '19 - Jun '21

PUBLICATIONS

- Kwanyoung Park***, Hyunseok Oh*, Youngki Lee
VECA: A New Benchmark and Toolkit for General Cognitive Development
Accepted in **AAAI, 2022 (Oral presentation)**
- Junseok Park, **Kwanyoung Park**, Hyunseok Oh, Ganghun Lee, Minsu Lee, Youngki Lee, Byoung-Tak Zhang
Toddler-Guidance Learning: Impacts of Critical Period on Multimodal AI Agents
Accepted in **ICMI, 2021 (Oral presentation)**
- Kwanyoung Park**, Junseok Park, Hyunseok Oh, Byoung-Tak Zhang, Youngki Lee
Learning Task-agnostic Representation via Toddler-inspired Learning
Accepted in **NeurIPS Workshop, 2020**

SCHOLARSHIPS

Presidential Science Scholarship <ul style="list-style-type: none">Korea Student Aid Foundation (KOSAF)Full tuition, living expenses support for undergraduate studies.	Mar '19 - Present
Gyeonggi-do Special Scholarship (Science Technology) <ul style="list-style-type: none">Gyeonggi-doFull-ride scholarship	Mar '16 - Dec '18

AWARDS

2023	Special Award , MAICON 2023 (Military AI Competition)
2022	Special Award , MAICON 2022 (Military AI Competition)
2018	Honorable Mention , IMMC (International Mathematical Modeling Challenge)
2018	Bronze Award , Samsung Humantech Paper Award

SKILLS

- **Programming Languages:** C, C++, Python (Pytorch, Tensorflow), C# (Unity), Java
- **Machine Learning:** Vision, 3D geometry (NeRF), Reinforcement Learning, NLP
- **Languages:** Korean (Native)
 - English (Proficient, GRE: 163/170 (Verbal), 169/170 (Quant), 4.5/6.0 (Writing))
 - Japanese (Proficient, JLPT N1: 167/180)