

Jinha Choi

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RESEARCH INTERESTS

My research interests lie in reinforcement learning, with a focus on real-world decision-making and its application to robot learning. I am particularly interested in approaches such as hierarchical reinforcement learning and model-based reinforcement learning, which enable agents to tackle long-horizon, high-dimensional tasks in ways that resemble and potentially surpass human problem solving. The aim is to explore how these techniques can be applied, generalizing across diverse tasks and environments.

EDUCATION

Yonsei University, Underwood International College (UIC) *Mar 2021 – Present*
B.S. Candidate in Nano Science and Engineering Major (NSE)
Double Major in Computer Science
GPA: 3.88 / 4.3

West Vancouver Secondary School, Canada *Sep 2014 – Jun 2020*
International Baccalaureate Diploma

PUBLICATIONS

When AI Co-Scientists Fail: SPOT—a Benchmark for Automated Verification of Scientific Research, arXiv:2505.11855, 2025.
Contributing co-author.

EXPERIENCE

RLLAB Intern *Jul 2025 - Present*
Advised by Prof. Youngwoon Lee

OUTTA AI Bootcamp – Deep Learning Advanced *2024*
Completed projects on LLM-to-diffusion pipeline models

VEX Robotics Competitions *2018 – 2019*
Designed, engineered, and programmed autonomous and driver-controlled robots using C++
Advanced to the 2019 VEX Robotics World Championship

Web and Game Development Projects *2017 – 2020*
Developed interactive web tools and game prototypes using HTML, CSS, JavaScript, and Unity

AWARDS AND HONORS

1st Place, Yonsei-Nexon RC Creative Platform – Yonsei University *2021*
1st Place, VEX Robotics Canada BC Provincials *2019*
Finalist, VEX Robotics World Championship *2019*