




# SUNMIN LEE

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## EDUCATION

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### Seoul National University

Ph.D. Candidate in Computer Science and Engineering  
Supervisor : Jungdam Won, Jehee Lee

*March 2019 - Current*

### Seoul National University

B.S. in Computer Science and Engineering

*March 2014 - Feb 2019*

### Hankuk Academy of Foreign Studies

Natural Science Track

*March 2011 - Feb 2014*

## PUBLICATION

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QuestEnvSim: Environment-Aware Simulated Motion Tracking from Sparse Sensors

**Sunmin Lee**, Sebastian Starke, Yuting Ye, Jungdam Won, Alexander Winkler

*ACM Transactions on Graphics (SIGGRAPH 2023) (To appear)*

Learning a family of motor skills from a single motion clip

Seyoung Lee, **Sunmin Lee**, Yongwoo Lee, Jehee Lee

*ACM Transactions on Graphics (SIGGRAPH 2021)*

[Project] [Video] [Code]

Learning Time-Critical Responses for Interactive Character Control

Kyungho Lee, Sehee Min, **Sunmin Lee**, Jehee Lee

*ACM Transactions on Graphics (SIGGRAPH 2021)*

[Project] [Video] [Code]

Learning predict-and-simulate policies from unorganized human motion data

Soohwan Park, Hoseok Ryu, Seyoung Lee, **Sunmin Lee**, Jehee Lee

*ACM Transactions on Graphics (SIGGRAPH ASIA 2019)*

[Project] [Video] [Code]

FURL: Fixed-memory and Uncertainty Reducing Local Triangle Counting for Multigraph Streams

Minsoo Jung, Yongsub Lim, **Sunmin Lee**, U Kang

*Data Mining and Knowledge Discovery(DMKD)* vol. 33, pp. 1225-1253, 2019.

[Project] [Paper]

## EXPERIENCE

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### Teaching Assistant

Seoul National University, Advanced Graphics (Simulation-based Methodology)

*March 2023 - Current*

### Research Scientist Intern

Meta Reality Labs Research, Character Animation and Evaluation

P.I: Alexander Winkler

*Aug 2022 - Feb 2023*

### Teaching Assistant

Seoul National University, Programming Practice

*Sep 2019 - Dec 2019*

**Teaching Assistant**

Seoul National University, Computer Graphics

*March 2019 - June 2019***Undergraduate Research Intern**

Locomotion Control using Deep Reinforcement Learning

Advisor: Jehee Lee

*Aug 2018 - Feb 2019***Undergraduate Research Intern**

Triangle Counting for multi-graph stream data

Advisor: U Kang

*June 2016 - March 2017***HONORS AND AWARDS**

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**Bachelor Cum Laude Graduation Honors**, Seoul Nation University*Feb, 2019***PATENTS**

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Electronic device, method, and non-transitory computer readable storage medium for identifying state of visual object corresponding to user input using neural network

Kyungho Lee, Sehee Min, **Sunmin Lee**, Jehee Lee*Patent No.1020210103370*

Triangles counting method for graph stream

Minsoo Jung, Yongsub Lim, **Sunmin Lee**, U Kang*Patent No.1020160183070***SKILLS**

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**Language:** Python, C++, Java**Framework:** OpenGL, Pytorch, IsaacGym, Dart**Software:** MotionBuilder, Blender, Unreal Engine, Maya