

# Eunhee Kim

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## EXPERIENCE

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### AI Research Engineer

Aug 2024 – Present

*Cinamon Inc.*

*Seoul, South Korea*

- Developed generative motion models for CineV, video generation service based on LLMs and Unreal Engine
- Implemented generative models for text-to-motion, motion refinement, stylization, in-betweening, and part-aware composition
- Optimized and served ML models using Triton, ONNX, TorchServe, achieving 10x faster inference
- Managed orchestration of automated data preprocessing pipelines using Airflow and Dagster

### Intern Researcher

Sep. 2021 – Feb 2022

*Gwangju Institute of Science and Technology*

*Gwangju, South Korea*

- Conducted data analysis on factors affecting user churn in online games

### Teaching Assistant

Nov. 2020 – Nov. 2020

*Korea Social Science Data Archive (KOSSDA)*

*Remote*

- Teaching Assistant for the KOSSDA Research Methodology Workshop, Introduction to Statistical Analysis with R
- Assisted with hands-on sessions covering statistical analysis

### Research Staff (Team Leader)

Feb. 2018 – Nov. 2018

*Survey Research Center, Sungkyunkwan University*

*Seoul, South Korea*

- Conducted face-to-face social survey interviews in the Seoul and Gyeonggi regions

## EDUCATION

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### Gwangju Institute of Science and Technology (GIST)

Gwangju, South Korea

*Master of Science in Integrated Technology (Graduate Program of Culture Technology)*

*Mar. 2022 – Feb. 2024*

- Supervisor: Kyung-Joong Kim
- Cognition and Intelligence Lab
- Cumulative GPA: 4.25/4.5

### Kyung-Hee University

Seoul, South Korea

*Bachelor of Arts in Sociology and Bachelor of Science in Applied Mathematics*

*Mar. 2017 – Aug. 2021*

- Cumulative GPA: 4.04/4.5

### University of Turku

Turku, Finland

*Exchange Student Program, Mathematics*

*Aug. 2019 – Dec. 2019*

## PUBLICATIONS

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### Controllable Long-term Motion Generation with Extended Joint Targets

| *WACV*

Mar. 2026

- Eunjong Lee, **Eunhee Kim**, Sanghoon Hong, Eunho Jung, Jihoon Kim
- [Project Page](#) | [Paper](#) | [Video](#)

### Dancing body, Speaking Hands (DASH): Sign Dance Generation System with Deep Learning

| *SIGGRAPH Poster*

Jul. 2023

- **Eunhee Kim**, Taehwa Park, Jaeyoung Moon, Wonsang You, Taegwan Ha, Kyung-Joong Kim
- [Paper](#)

## PATENTS

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10-2023-0061217, Motion Feedback Method and System using Normalized Data

## SELECTED PROJECTS

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- Visualize Music and Dance for the Hard-of-Hearing to Enjoy Music** | *KOCCA* Mar. 2022 – Dec. 2023
- Developed music-to-motion generation model based on VQ-VAE and Diffusion Models
  - Implemented ‘Sign Dance’ generating system, incorporating sign language to dance
  - In-the-wild data preprocessing from video to SMPL motion data using human pose estimation
  - Built Korean sign language motion-text paired database of 35,000 frames
  - Press
- HCI + AI for Human-Centered Physical System Design** | *GIST, MIT CSAIL* Mar. 2022 – May. 2024
- Developed real-time physical systems for estimating human pose from multi-view video and pressure-sensing data
  - Implemented virtual assistant with Transformer-based muscle EMG prediction model from pressure-sensing data
- Groovy Graph** | *Pseudo Lab (Non-profit AI Research Organization)* Mar. 2022 – Jul. 2022
- Weekly academic paper review of graph neural networks
  - Project Page | Team Blog

## TECHNICAL SKILLS

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**Technical Skills:** Python, PyTorch, Triton, ONNX, TorchServe, FastAPI, W&B, TensorBoard  
**Graphics Tools:** Blender, Photoshop, Illustrator  
**Developer Tools:** Git  
**Languages:** Korean (Native), English (Fluent)

## SELECTED HONORS

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- Best Game AI Jam Project** Chania, Greece  
*International Summer School on AI and Games* 2022
- Scholarship for Activities of International Affairs** Seoul, South Korea  
*Kyung-Hee University* 2020
- Dream Scholarship of Research** Seoul, South Korea  
*Kyung-Hee University* 2019 – 2020
- Scholarship for Professor-Tutor-Student Portfolio** Seoul, South Korea  
*Kyung-Hee University* 2018 – 2019
- Superior Scholarship** Seoul, South Korea  
*Kyung-Hee University* 2017

## CERTIFICATES & TEST SCORES

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**Survey Analyst**, Junior (Sep. 2020)  
**OPIc**, IH (Mar. 2026)  
**TOEIC**, 905 (Oct. 2023)  
**TOEFL**, 92 (Sep. 2018)