# Junmyeong Lee

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## Education

**Pohang University of Science and Technology (POSTECH)**    *Mar, 2024 - Present*
*M.S. student in Graduate School of Artificial Intelligence (Advisor : Minsu Cho)*

**Gwangju Institute of Science and Technology (GIST)**    *Mar, 2018 - Feb, 2024*
*B.S of Electrical Engineering and Computer Science*
- TGPA: 4.13/4.5 (Magna Cum Laude)

**Boston University**    *June-Aug, 2019*
*exchange student of summer session*
- GPA: 4.0/4.0

## Experience

**Team vFlat, VoyagerX**    *Seoul, South Korea*
*ML engineer*    *Aug, 2021 - Dec, 2022*
- On-device inference optimization using TFLite and ONNX.
- Build Millon-scale data pipeline for training and evaluation.
- Designed an image enhancement model to enhance degraded smartphone-captured document images.

**Search CIC, Naver Corp.**    *Seongnam, South Korea*
*Research Intern*    *Jan-May, 2021*
- Research Topic : Large-scale vector retrival optimization
- Optimized dense vector retrieval efficiency through experiments in a billion-scale data environment.

## Publications

**RoDyGS: Robust Dynamic Gaussian Splatting for Casual Videos**    Dec 2024
Yoonwoo Jeong*, **Junmyeong Lee***, Hoseung Choi*, Minsu Cho (* : *equal contribution*)
*Arxiv Preprint*, 2024

**CanonicalFusion: Generating Drivable 3D Human Avatars from Multiple Images**    Sep 2024
Jisu Shin, **Junmyeong Lee**, Seongmin Lee, Min-Gyu Park, Ju-Mi Kang, Ju Hong Yoon, Hae-Gon Jeon
*European Conference on Computer Vision(ECCV)*, 2024

## Project

**Korean Math Problem Recommandation System** (link 🔗)    June 2023
*Real-Time Math Problem Recommendation App for High School Students*
- Optimized data collection pipeline by integrating a PDF parser with object detection.
- Applied Contrastive loss for accurate problem recommandation.

## Award & Scholarships

**Outstanding Poster Presentation Award, IPIU 2025**    *Feb, 2025*
*Recognized for excellence in presentation at 37th Workshop on Image Processing and Understanding (IPIU).*

**POSTECHIAN fellowship, POSTECH**    *Mar, 2024*
*Prestigious Scholarship for Outstanding Graduate Students at POSTECH*

**National Science & Techology Scholarship, KOSAF**    *Mar, 2020 - Feb, 2024*
*National Scholarship for outstanding students in Science&Technology*