

JAEAH LEE

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RESEARCH INTERESTS

I am primarily interested in the fields ranging from *computer vision* to *computer graphics*, including but not limited to implicit neural representations and generative models. As a researcher, my ultimate goal is to help bring our inner thoughts and imagination to life without limitations.

EDUCATION

Seoul National University

Master's Student in Artificial Intelligence

Graduate researcher at Visual & Geometric Intelligence Lab. (Advised by Prof. Jaesik Park)

Mar 2024 – Current
Seoul, Republic of Korea

Seoul National University

B.S. in Chemistry Education

B.S. in Computer Science and Engineering

Earned 173 credits including *Computer Vision*, *Computer Linguistics*, and *Artificial Intelligence*.

Received **Outstanding Thesis Presentation Award** in Dept. of Computer Science and Engineering.

GPA: 3.75/4.3, *Cum Laude*

Mar 2019 – Feb 2024
Seoul, Republic of Korea

Sookmyung Women's University

Incomplete course, Major in Mathematics

Was a student for nearly a year and earned 15 credits including *Calculus I* and *Discrete Mathematics*.

GPA: 4.15/4.3 (As the **1st** rank of the department)

Mar 2018 – Jan 2019
Seoul, Republic of Korea

EXPERIENCES

3D Vision Lab, Seoul National University

Research Intern

- Advisor: Prof. Young Min Kim
- Major research area: Non-photorealistic rendering.
- Worked on research related to drawing 3D concept sketch lines from in-the-wild images.

Jul 2023 – Feb 2024
Seoul, Republic of Korea

Vision & Learning Lab, Seoul National University

Research Intern

- Advisor: Prof. Gunhee Kim
- Major research area: Neural rendering, inverse graphics networks.
- Participated in research related to light source reconstruction and relighting with neural rendering approaches.

Jun 2022 – May 2023
Seoul, Republic of Korea

Biointelligence Lab, Seoul National University

Internship in Undergraduate Research Opportunities Program (UROP)

- Advisor: Prof. Byoung-Tak Zhang
- Participated in the development of a human-computer interaction (HCI) system on a Softbank Pepper robot to provide controls for humans to give commands such as dancing, taking a photograph, and giving a self-introduction.
- Person re-identification based on computer vision techniques involving convolution neural networks to enhance the robot perception.

Jul 2021 – Sep 2021
Seoul, Republic of Korea

PUBLICATIONS

Conferences

- Changwoon Choi, **Jaeah Lee**, Jaesik Park, and Young Min Kim, *3Doodle: Compact Abstraction of Objects with 3D Strokes*, SIGGRAPH (ACM Transactions on Graphics) 2024.

TEACHING EXPERIENCES

Introduction to AI (M2177.008600) *Teaching Assistant*

Basic Computing: First Adventures in Computing (L0444.000400) *Peer Tutor*

Spring 2024

Spring 2021

SCHOLARSHIPS

AI Fellowship

Full tuition

Spring 2024 – Current

SNU IPAI

Kim Dong-gil Special Scholarship

Full tuition

Spring 2022 – Fall 2022

Kwanak Coporation

Chunjae Education Scholarship

Full tuition

Spring 2021

Chunjae Education Scholarship Foundation

Merit-based Scholarship

Partial tuition (10%)

Fall 2020

Seoul National University

Hojun Scholarship

Full tuition

Spring 2020

Hojun Scholarship Foundation

Merit-based Scholarship

Partial tuition (30%)

Fall 2019

Seoul National University

TECHNICAL SKILLS

Programming

Python (including Pytorch and OpenCV), Java, C, C++, Verilog, and RISC-V Assembly Language

Tools

Git, Latex, and Blender

Languages

Korean (Native), English