# Daewon Choi's Curriculum Vitae

Undergraduate Student, Department of Industrial Management Engineering, Korea University, Seoul, Korea

## CONTACT INFORMATION

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**Google Scholar:** https://scholar.google.co.kr/citations?user=NlcfkbgAAAAJ&hl=ko
**Github:**  https://github.com/ChoiDae1

## RESEARCH INTEREST

- Robustness
- Meta-learning, Self-Supervised learning
- 2D/3D Generative models (GAN, Diffusion)

## EDUCATION

**B.S.** in **Korea University**, *Seoul, Korea*                                    **Feb 2020 - Feb 2024 (expected)**
**GPA:** *4.30/4.5*
**Major:** *Industrial Management and Engineering*
        *Computer Science and Engineering (Double major)*

**M.S** in **Korea Advanced Institute of Science and Technology (KAIST)**, *Daejeon, Korea*        **Feb 2024 (expected) -**
*Department of Kim Jaechul Graduate School of AI*
*Working with Prof. Jinwoo Shin*

## SKILLS

**Programming Skills**:   *Python, C++, R, React JS, SQL, Docker*
**Language Skills**:   *English: TEPS Score 350 (High Intermediate Level)*

## RESEARCH EXPERIENCE

**Undergraduate Research Intern**                                    **Feb 2023 – Feb 2024 (expected)**
Meta-Learning Team in **ALIN-LAB**
Department of Kim Jaechul Graduate School of AI
**Korea Advanced Institute of Science and Technology (KAIST)**, Daejeon, Korea
Working with Prof. Jinwoo Shin

**Undergraduate Research Intern**                                    **Jan 2022 – Jan 2023**
3D Vision Team in **CVLAB**
Department of Computer Science and Engineering
**Korea University**, Seoul, Korea
Working with Prof. Seungryong Kim

## PUBLICATION

1.  Huiwon Jang*, Jihoon Tack*, **Daewon Choi**, Jongheon Jeong and Jinwoo Shin,
    "Modality-Agnostic Self-Supervised Learning with Meta-Learned Masked Auto-Encoder," in *Neural Information Processing Systems (NeurIPS)*, 2023.

2.  Jaehoon Ko*, Kyusun Cho*, **Daewon Choi**, Gwangrok Ryu and Seungryong Kim,
    "3D GAN Inversion with Pose Optimization," in *Winter Conference on Applications of Compute Vision (WACV)*, 2023.

3.  Mira Kim, Jaehoon Ko, Kyusun Cho, Junmyeong Choi, **Daewon Choi** and Seungryong Kim,

"AE-NeRF: AutoEncoding Neural Radiance Fields for 3D-Aware Object Manipulation,"
sarXiv:2204.13426, 2022.

## *CERTIFICATED*

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|---|---|
| **3rd KUIAI Hackathon**, Development of Instagram Influencer Recommendation System | *Jan 2023* |
| Member of **KUBIG**, Data Science Society of **Korea University**, Seoul, Korea | *Jul 2021 – Jul 2022* |
| **KU Smart Campus Datathon**, Development of Anam-dong Barrier-free map Web page | *Jul 2022 – Sep 2022* |
| **LG AIMERS**, AI Education and Hackathon using LG company's real quality process data | *Jul 2022 – Aug 2022* |
| **2nd KUIAI Hackathon**, Prediction of Building Location Score using real Seoul city data | *Jan 2022* |
| Curriculum of Machine Learning/Deep Learning that conquers theory and practice , **Seoul National University**, Seoul, Korea | *Jul 2021* |
| Curriculum of Linux Sever and Deep Learning Application, **Korea University**, Seoul, Korea | *May 2021* |
| Program on the Development of problem-solving AI, **KAIST**, Daejeon, Korea | *Jan 2021* |

## *AWARDS*

- 1st Award 3rd KUIAI Hackathon (2023)
- Academic Semester High Honors (2020-2023)
- Academic Excellence Award (1st Semester 2021)
- 3rd Award KU Smart Campus Datathon (2022)
- 7th place Medical AI Challenge Pathology (2021)
- 3rd Award IME Project for Application of GPU Server (2021)

## *SCHOLARSHIP*

- National Science & Technology Scholarship (2022-2023)
- Korea University Alumni Association Scholarship (By Graduate) (2022)
- Korea University Fund Scholarship (Danglim Scholarship Society) (2022)
- Korea University Alumni Association Scholarship (By School Recommendation) (2021)