



Changhwa Lee

📍 Ulsan, Korea

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📁 <https://changhwalee.github.io>

Born 12 August 1996

EDUCATION

2015.3 – 2020.8

Bachelors's degree in Mechanical Engineering

Mechanical Engineering, Kyungpook National University, Daegu, Korea

- GPA: 4.11/4.5 (the early graduation in 7th semester)
- minor: Computer Science and Engineering

2020.9 – present

Master's Candidate in Computer Science and Engineering

Computer Science and Engineering, UNIST, Ulsan, Korea

- Research: Hand Pose-estimation, 3D reconstruction, Image Translation, Computer vision based deep learning
- Lab: Vision and Learning LAB(Advisor: Seungryul Baek)

RESEARCH EXPERIENCE

March 2016 – December 2016

Research Assistant

Cloud Connected IoT Lab, EE

- Studied the Internet of Things field and developed many skills based on open-source hardware, understanding microprocessors and supporting various studies and paper.

December 2019 – June 2020

Undergraduate Researcher

Interdisciplinary Computational Fluid Mechanics Lab, ME

- The use of deep learning in the field of medical imaging is endless. Medical images analysis and generating image using deep learning technique.

September 2020 – present

Master's Course Researcher

Vision and Learning Lab [link], CSE

- Topic: Computer-vision based deep learning, Hand&body pose-estimation, Image translation, 3D reconstruction.

WORK EXPERIENCE

May 2017 – present

Freelancer Translator [link]

Acorn Publisher, Seoul, Korea

- Beginning Functional JavaScript 2/e, Anto Aravinth, 2020
- Learning Concurrency in Python, Elliot Forbes, 2018
- Python Data Analysis 2/e, Armando Fandango, 2018

July 2021 – Aug 2021

2021 Summer Internship [link]

Kakaobrain Corp., Seongnam, Korea

- Deep Learning and Computer vision
- Research Engineering

Nov 2021 – present

Research Engineer

Kakaobrain Corp., Seongnam, Korea

- Team. Human CV
- Deep learning and Human computer vision

Publication

「A study to normalize image protocol difference using autoencoder」
 Donggwan Kang, **Changhwa Lee**, Sanghun Choi, The Korean Society of Mechanical Engineers, 2020

「Generating A Synthetic Multimodal Dataset for Vision Tasks Involving Hand」
Changhwa Lee, Seongyeong Lee, Donguk Kim, Chanyang Jeong, Seungryul Baek, Korea Information Processing Society, 2020

「Joint Deep Learning of Hand Locations, Poses and Gestures」
 Donguk Kim, Seongyeong Lee, Chanyang Jeong, **Changhwa Lee**, Seungryul Baek, Korea Information Processing Society, 2020

「Towards Single 2D Image-level Self-supervision for 3D Human Pose and Shape Estimation」
 Junuk Cha, Muhammad Saqlain, **Changhwa Lee**, Seongyeong Lee, Seungeun Lee, Donguk Kim, Won-Hee Park, Seungryul Baek, Journal of Applied Sciences 2021

SKILLS

- Languages** Programming - Python, C/C++,
 • Python - Pytorch, OpenCV, Tensorflow, etc
- Awards** • Mobile App Competition Excellence Award, Kyungpook Nat'l Univ. , 2016
 • Ministerial Award for Social Security Statistics Contest 2nd, Ministry of Health and Welfare, 2018
 • Best Presentation for 4th Industrial Revolution Youth Experience Group Experience Sharing Contest, Daegu , 2019
 • Silver prize at KIPS (Korea Information Processing Society)Fall Conference Paper Awards, 2020

ADDITIONAL INFORMATION

TOEIC / TOEIC Speak. 835 / Lv.6