

Hayun Lee

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LinkedIn: linkedin.com/in/hayun-lee/

Research interests

Human-Computer Interaction, Computer Vision, Deep Learning

Education

Chung-Ang University

Seoul, Republic of Korea

B.S in Computer Science and Engineering

2019.03 – 2023.02(Expected)

Mentor : Prof. Junseok Kwon

Journal papers

A Study on the Classification of Emotions and the Generation of Custom Paintings based on EEG

Hayun. Lee, Taemin. Lee*

Journal of Digital Contents Society (JDCS), vol.22, no.10, pp.1577-1586 (KCI)

DOI : [10.9728/dcs.2021.22.10.1577](https://doi.org/10.9728/dcs.2021.22.10.1577)

Research experience

Vision & Learning Lab @ Chung-Ang University

Research Intern - Mentor: Prof. Eunwoo Kim

2020.12 – 2021.12

Research Robot Learning . Study about Deep Learning.

Teaching experience

Teaching Assistant @ Chung-Ang University

Fall 2020

GE-51368: Computational thinking and problem solving

Instructor: *Prof. Kisung Lee*

Scratch mentoring for course students.

Teaching Assistant @ Chung-Ang University

2021.03 – Present

GE-52431: Understanding SW Programming for Problem Solving

Instructor: *Prof. Kisung Lee*

Python language mentoring for course students.

Project experience

Development of VR Contents to Overcome Cultural Conflicts in the Post-Hybrid Society

2021.06 – Present

Funded by National Research Foundation of Korea (NRF)

Learning Transferable Task Knowledge for Social Robots

Funded by Samsung Research Funding

2021.07 – 2021.12

& Incubation Center

Personal Project

Outdoor Illumination Estimation using Shadow Information

Estimating Sun Position from LDR Image using Shadow.

2021.09 – 2021.12

	Generation Handwritten Fonts using Deep Learning Fall 2021 <i>Input 400 handwritten characters to create 11,175 characters via GAN.</i>
	Collaborate with AI: Drug Design Tool 2021.11 <i>Prediction of Drug Properties via GNN(Solubility, Toxicity, Distribution, Metabolism).</i> <i>Explain Drug-Drug Interactions via CNN.</i>
	Implementation of Deep Learning Paper 2021.01 – 2021.08 <i>Reading Deep Learning papers and implementing primary networks.</i>
Honors and Scholarship	One of the Daewoong's Talent Network 2021.11 – Present <i>Advance to the Finals of the Daewoong Foundation AI/Bigdata Hackathon.</i> <i>Registered in Daewoong's Talent Network(pool) for Pharmaceutical Innovation(AI)</i>
	Undergraduate Fellowship 1. SW Specialization Scholarship Spring Spring 2020 – Fall 2021 <i>Research Fellowship funded by Davinci Software Institute at Chung-Ang Univ.</i> 2. University Innovation Support Project Scholarship Summer 2021 <i>Research Fellowship funded by University Innovation Support Project Committee(UISPC)</i>
Skills	Programming Proficient in: Python Familiar with: C, Java, C++
	Tools Machine Learning Framework: PyTorch, TensorFlow Computer Vision Libraries: OpenCV etc.