

JUNYOUNG KOH

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Education

Soongsil University

B.S. IN GLOBAL MEDIA IN COLLEAGE OF IT

- GPA : 3.64/4.5 | Major GPA : 3.83/4.5
- Media Robotics Lab (MRLAB) [Kang-Hee Lee], 2022

Seoul, Republic of Korea

Mar. 2017 - Feb. 2023

Seoul High School

GRADUATED

- Club : Computer Coding Club 'CODE' (Team Leader at 2014)

Seoul, Republic of Korea

Mar. 2013 - Feb. 2016

Publications

DOMESTIC

Proposal of 3D Camera-Based Digital Coordinate Recognition Technology

JUNYOUNG KOH, KANGHEE LEE

Proceedings of KSCI Conference

2022

INTERNATIONAL

An AI Media Art Therapy Using Deep Learning [Waiting for Accept]

JUNYOUNG KOH, DAIN PARK, JUNGHUN HA, KANGHEE LEE

Journal of IEEE Access

2022

Proposal of Color Therapy Using Fuzzy System [Waiting for Accept]

JUNYOUNG KOH, DAIN PARK, KANGHEE LEE

Journal of IEEE Access

2022

Implementation of Sandbox Counseling System through Deep Learning and Spatial Symbol System [Writing]

JUNYOUNG KOH, SANGMIN KIM, KANGHEE LEE

Journal of IEEE Access

2022

Project

Space for U : AI Art Therapy

GRADUATION EXHIBITION PRODUCT

- First Process : Color Therapy Test Using Fuzzy System
- Second Process : Miniature Location, Distance Recognition using CNN : SSD Model, Depth Camera
- Third Process : Music Mood Recognition using SVM
- Link : <https://github.com/FW2022>

Global Media Graduation Exhibition

1 semester, 2022

Album Recommendation : Expert System

PERSONAL PROJECT

- Expert System, Fuzzy System for ARASHI Album Recommendation
- Link : <https://github.com/Junst/Expert-System-Prolog-for-ARASHI-Album-Recommandation>

Multimedia Theory Class

2 semester, 2021

KoNLPy-tTV : Natural Language Processing

PERSONAL PROJECT

- Using KoNLPy to input what I say and Crawling images to make video.
- Link : <https://github.com/Junst/KoNLPy-tTV>

Embedded System Class

2 semester, 2021

Urban Sound Classification

PERSONAL PROJECT

- Urban Sound Classification using Pytorch
- Link : <https://github.com/Junst/DigitalSound>

Digital Sound Class

1 semester, 2021

CIFAR-10 Convolution Neural Network

AI Class

TEAM PROJECT

1 semester, 2021

- Deep Learning for Image Classification using CIFAR-10 dataset.
- Visualization of Classification process by Intermediate Feature Space, Class Activation Map
- Link : <https://github.com/Junst/CIFAR10-CNN>

TSP-Genetic-Algorithm

AI Class

TEAM PROJECT

1 semester, 2021

- Travelling Salesperson Problem solved using Genetic Algorithm.
- Link : <https://github.com/Junst/TSP-Genetic-Algorithm>

Expectation Maximization for Gaussian Mixture Model

AI Class

PERSONAL PROJECT

1 semester, 2021

- Gaussian Mixture Model Using Probabilistic Density Function(PDF) estimation, Expectation Maximization (EM).
- Link : <https://github.com/Junst/Expectation-Maximization-for-Gaussian-Mixture-Model>

Teaching Experience

2022 Woori Digital Academy : AI Master Class

Soongsil University, Seoul

TEACHING ASSISTANT

April. 2022 - July. 2022

- Teaching Deep Learning Model : CNN, RNN, GAN, DQN

Soongsil Spartan SW Education

Soongsil University, Seoul

TUTOR

September. 2022 - November. 2022

- Teaching Freshman, Sophomore Student Python with AI

Soongsil Coding Class

Soongsil University, Seoul

TEACHING ASSISTANT

June. 2022 - December. 2022

- Teaching Elementary School Student Python and Scratch with AI

KIV (NIA Korea ICT Volunteers World Friends)

Asunción, Paraguay

IT MEMBER AT 2018

July. 2018 - Aug. 2018

- IT Volunteers, Taught the citizen making Web Server and Design.
- Korea Delegation, Communicated with English and Korean culture.

Extracurricular Activity

YOURSSU (Community Club of Soongsil University)

Soongsil University, Seoul

TEAM LEADER, MEMBER

Sep. 2017 - Feb. 2019

- Team Leader as Planning and Marketing who organize the club
- Development of Yourssu Web Community Service

3 MAC 1 LG Team (2021 Competitive Exhibition of Soongsil University)

Soongsil University, Seoul

WEB SERVER DEVELOPER

Oct. 2021 - Dec. 2021

- Participated on making Backend using Nest.js
- Made "With Class" App, Online Class App with Friends and Chat

Honors & Awards

INTERNATIONAL

2018 **Achievement Award**, Secretaría Nacional de Tecnologías de la Información y Comunicación

Asunción, Paraguay