SEUNGPIL LEE

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Personal Statement
Passionate undergraduate student studying artificial intelligence. Interested in Brain-Inspired AI.

EDUCATION

Gwangju Institute of Science and Technology(GIST) *March 2018 - Present*
Undergraduate Overall GPA: 3.63/4.50
Major in Electrical Engineering and Computer Science
Minor in Mathematics

UC Berkeley June 2019 - August 2019
Berkeley Summer Session Program Overall GPA: 4.00/4.00

SKILLS

Computer Languages	C, C++, Java, JavaScript, Python
Software & Tools	LaTeX, Spring, Spring Boot
Language	Korean(Native Language), English(Intermediate)

EXPERIENCE

BioComputing Lab in GIST June 2020 - January 2021
Undergraduate Internship

· Participated in journal meeting once per week and presented articles about Spiking Neural Network
· Tried to develop new spiking neural network method with synthetic gradient

Development Team in Korea Navy January 2022 - September 2023

· Developed App and Web service with Spring and Spring Boot
· Mainly participated as back-end developer

K-StartUp finals March 2023 - November 2023

· Advanced to the finals of Korean largest start-up contest, 'K-StartUp'
· Participated as back-end developer

AWARD & SCHOLARSHIP

Korean Government Scholarships, GIST College March 2018 - present

· Scholarship awarded to students studying in GIST

Scholarship for Summer Session Abroad June 2019 - August 2019

· Scholarship awarded to students studying abroad during a summer session

Navy AI Competion June 2023 - August 2023

· Awarded object detecting competition hosted by Korean Navy

ACADEMIC ACTIVITIES

Class Projects

Software Engineering and Project:: Made a anonymous community system, which censors toxic comments automatically

Artificial Intelligence: Developed a model to identify the actions carried out by a person given a set of observations(acceleration and gyro on x, y, z axis each with 2.56 second window) of itself and the surrounding environment

Artificial Intelligence: Classifying Iris data set, using self-organizing map(SOM)

Artificial Intelligence: Estimated the quality of wine using ridge regressor and neural network

Algorithm: Using principal component analysis(PCA) and random forest algorithm, classified wine quality data set

RELEVANT COURSES

Major Courses
Machine Learning and Deep Learning
Random Process
Artificial Intelligence
Automata Theory
Introduction to Algorithm

Minor Courses
Introduction to Linear Algebra and Applications
Differential Equations and Applications
Graph Theory
Discrete Mathematics
Introduction to Probability and Statistics

EXTRA-CURRICULAR

AGIST August 2020 - January 2021
Deep Learning Study Group

- Listened to presentations about various machine learning algorithms including explainable AI and Brain-inspired AI
- Prepared presentations of Spiking Neural Network(SNN) with Spike-Timing-Dependent Plasticity(STDP) learning