Sangwoon Yun

CONTACT INFORMATION

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EDUCATION

Hanyang University, Ansan, Korea

Ph.D degree in Computer Science & Engineering	Mar.2023. – Feb.2025.
Thesis: None	*(Expect)*
Master of Artificial Intelligence *(4.38/4.5)*	Mar.2021. – Feb.2023.
Thesis: Runtime WCET Determination for Real-Time Scheduling Using Machine Learning	
Advisor: Prof. Kyungtae Kang	

Inha Technical College, Incheon, Korea

Bachelor of Engineering in Computer Science and Engineering *(4.43/4.5)*	Mar.2020. – Feb.2021.
Associate of Engineering in Computer Science *(4.05/4.5)*	Mar.2015. – Feb.2020.

EXPERIENCES

Hanyang University, Ansan, Korea

Researcher

Development of NGL Transportation TMS (Co-PM)	Jul.2022. – (Present.)
Development of Intelligent Robot Logistics	Sep.2022. – Feb.2023.
Technology Convergence Project Support Project	Jul.2022. – Nov.2022.

Research Assistant

Education and Research Center for Artificial Intelligence in Healthcare	Mar.2021. – (Present.)
Industrial AI HRD	Mar.2023. – Feb.2024.
Advanced R&D Engineer HRD for Digital Manufacturing Equipment	Sep.2021. – Feb.2023.
Artificial Intelligence Convergence Research Center	Mar.2021. – Dec.2022.

Teaching Assistant

Data Structure Theory	Mar.2022. – Jun.2022.
System Programming	Aug.2021. – Dec.2021.
Embedded Operating System	Mar.2021. – Jun.2021.

Inha Technical College, Incheon, Korea

Participating Researcher (Joint Development of Small Enterprise Prototypes)

Development of LED Lighting Alarm System for Detection of Chemical Flange Leakage	May.2019. – Oct.2019.
Development of PDM Big Data Analysis Technology for Predictive Management of Industrial Rotating Equipment Using Wireless Acceleration Sensors	May.2018. – Oct.2018.
Intern of Field Training *(Ohkyung Computer Technology Co., Ltd)*	Jul.2018. – Jul.2018.

Military Service

Drafted to the Republic of Korea Army and Discharged *(Honorably as Sergeant)*	Apr.2016. – Jan.2018.
Radio Operator of Command Post (Brigade Level)	
Class 3 Authorization for Confidentiality	

SKILLS

Certificate : Engineer Information Processing (*HRDK, Nov.11$_{st}$.2020.*)

Programming Language : C, C#, Java, Python, Node.js, PL/SQL

Platform : Linux, Kernel, Android, AWS, OCI

PATENT

KR Patent – [Application] 10-2022-0177853   Dec.19$_{th}$.2022.
Apparatus for Predictive Maintenance of Manufacturing Equipment   (application)

KR Patent – [Application] 10-2021-0174112   Aug.22$_{nd}$.2022.
Apparatus and Method for Allocating Execution Time   (application)

PUBLICATIONS

International Conference *(1)*   Mar.2023.
Spidermine: Low Overhead User-Level Prefetching

KCI Journal *(1)*   Dec.2021.
A Design and Implementation of Speech Recognition and Synthetic Application for Hearing-Impairment

KR Domestic Conference *(7)*   Jul.2018 - Jul.2022.

REWARDS

Scholarship
Academic Excellence for 2 Semester   Fall.2015, Fall.2019

Award for Outstanding Paper
Development of Speech Recognition and Synthetic Application for the Hearing-Impairment   Jul.2020.
Develops Smart Mirror Systems with Increased Scalability   Jan.2019.