

# Kwanho Kim

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Wolfsburg, Germany

24th, May, 2004

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Male

## Summary

A passionate 19-year-old Computer Science major with a strong focus on Mobility Ecosystem development. I began my academic journey at 42 Seoul (2020–2023) and later transitioned to 42 Wolfsburg and SEA-ME program (2023–2024), concentrating on building more structural methods for efficient application structure using cloud. Alongside this specialization, I have hands-on experience in React.js web development, a foundation in AI (including machine learning and deep learning), and a solid grounding in core Computer Sciences. Driven by global aspirations, I aim to broaden my horizons and make an impact on a worldwide scale. My multiple team-based projects vouch for my adept communication skills, a collaborative mindset, and proficiency in team-oriented development methodologies, especially with tools like Git.

## Project Experience

### [42] ft-transcendence

04.2022 ~ 08.2022

Final project of 42's common core curriculum, developed a web platform featuring 3D pong game and chatting. Led design and front-end development, utilizing Figma for UI/UX design and React.js with TypeScript. Collaborated with an expanded team of 9 colleagues, coordinating role assignments and workflow to ensure seamless integration without conflicts.

### [42] total-perspective-vortex

01.2023 ~ 05.2023

Advanced-core project at 42, focused on importing EEG data and preprocessing for classification. Specialized in data preprocessing, employing dimensionality reduction algorithms to handle multidimensional datasets. Applied analytical skills to optimize data handling and improve classification accuracy.

### [ADS] Lane-Keeping-Assist

08.2023 ~ 12.2023

Implemented an autonomous Lane-Keeping-Assist system using CNN and Computer Vision on Carla Simulator. Focused on data collection and processing, leading the project, and developing a versatile CarlaClient Class for efficient client management in Carla environment. Enhanced the system's robustness and general applicability by creating adaptable interfaces and automating data handling workflows.

### [ME] UAM Drone Management Application

on progress, 01.2024 ~ 05.2024

Recently initiated project in the Mobility Ecosystem field, web application for Drone Management on Gazebo Simulator. Role focuses on loading maps and drones into Gazebo, and managing destinations, autonomous flight, collision avoidance, and auto-charging through an external application. Concentrating on integrating the Gazebo simulator with the front-end, ensuring real-time control and management of multiple drones.

## Skills

C	Programming Language	Intermediate
C++	Programming Language	Intermediate
Python	Programming Language	Intermediate
GitHub	Development Tool	Intermediate
Docker	Development Tool	Advanced Beginner
Kubernetes	Development Tool	Beginner
React	Framework	Advanced Beginner
TypeScript (javascript)	Programming Language	Advanced Beginner
Figma	Design Tool	Intermediate
Linux	Operating System	Advanced Beginner
Carla Simulator	Simulation Program	Advanced Beginner
Gazebo Simulator	Simulation Program	Beginner
AI (ML & DL)	Technology	Advanced Beginner



## Certifications

- 2022.12 TOEIC Speaking (160, Advanced Low)  
2021.12 TOEIC (860)  
2020.12 Craftsman Electronic Apparatus (HRD Korea)  
2020.11 Engineer Information Processing (HRD Korea)  
2019.11 Computer Specialist in Spreadsheet & Database Level I (by KCCI)

## Educations

- [Bachelor] Artificial Intelligence  
Korea National Open University  
• 2023.03 ~ 2024, on progress  
• junior student
- [Bachelor] Computer Engineering  
The Korean Academic Credit Bank System  
• 2019.04 ~ 2020.08  
• 4.24/4.5
- [Bachelor] Business Management  
The Korean Academic Credit Bank System  
• 2019.04 ~ 2022.08  
• 3.77/4.5
- 42 – Common Core Graduate  
2nd Student of 42Seoul, Computer Science  
• 2020.09 ~ 2022.08
- SEA:ME  
Master's level in Software Engineering Automotive & Mobility Ecosystems (SEA:ME)  
• 2023.07 ~ 2024.06, on progress

## Languages

- Korean native
- English proficient