

# Sungwook, Kim

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## Personalities

- Supporting with Effective Fellowship.
- Interested in Solving Problems and Making Things Efficient.
- Excited to Imagining and Visualizing something.

## Education

Sep. 2021	<b>Hanyang University</b> Master Course in Civil and Environmental Engineering - Track : Construction Project Management - Laboratory : Intelligent Construction Technology Lab (ICTLAB) - Advising Professor : Jong Won, Seo - Dropped out in Sep. 2021	Seoul, Korea
Aug. 2021	<b>Hanyang University</b> Undergraduate Course in Civil and Environmental Engineering - GPA : 4.11/4.5 - Completed Major Classes such as Construction Management, CAD for Construction, BIM, Structural Analysis and so on. - Completed Subjects such as Creative Programming for Engineers, Science Technologies for Sustainable Development, Basic Chinese and so on.	Seoul, Korea

## Working Experiences

Oct. 2021 ~ Nov. 2021	<b>Platom Inc.</b> <u>Assistant</u> Has participated in activities below. <b>Developing Project of A KMO Educational Application named MO.</b> - Writing a Flow Chart and Functional Specification. - Coworking with developers and web designers. - Making a Slogan for MO. - Planning functions and image-maps in website and application.	Seoul, Korea
Mar. 2020 ~ Sep. 2021	<b>Intelligent Construction Technology Lab of Hanyang University (ICTLAB)</b> <u>Researching Assistant</u> Has participated in activities below. <b>1. Researching project of Development of Smart Construction Technology hosted by ICT Center of Korea Expressway Corporation.</b> - Development of S-cop (Control Platform for Construction Equipments based on BIM-GIS) and C-Map (Big-Data Navigation for Construction equipments). • Construction equipment productivity analysis method using GPS Sensor. • Distinguishing Behaviors of Construction Equipments by Time-Position data from GPS. • Calculating filling and Cutting of Earth-volume in 3d Voxels. • Making a Path Planning Logic with XYZ position data of 3d Voxels. - Application Safety Management System with UWB Positioning System and Sensors to S-cop with Kyungwoo Systec. - Connecting with S-cop and Cloud E-BIM (A BIM Modeling Cloud Service) with DMCM. • Lightening and Simplifying of BIM data for Cloud Service. <b>2. Providing BIM Construction Services for E&amp;C Companies.</b> - HDC, Incheon Yonghyun-Hakik re-development block (CITY-O-CIEL) • 3D BIM earthwork modeling of roads and blocks by using Autodesk Civil 3D. • Installing GCPs and Aerial Surveying by using surveying drone and lazer scanner. • Production of Orthomosaic, Digital survey report and Pointclouds by using Pix4D and CloudCompare. • Providing Aerial Photograph and Videos of Construction Site taken by surveying drone. - Deukyoung E&C, International New City at Godeok, Pyeongtaek city. • Providing Maching Guidance 3D Models (MG) of roads for Construction Equipments such as excavators by using Autodesk Civil 3D. • Installation of Positioning System by GPS Sensors for Machine Guidance. - Taeyoung E&C, Echo Delta City (EDC) in Busan. • Providing 3D BIM model of Bridge by using Autodesk Civil 3D and Autodesk Revit. - HOBAN E&C - Reconstruction of Gaebong Residential Area 5 • Installing GCPs and Aerial Surveying by using surveying drone. • Production of Orthomosaic and Pointclouds by using Pix4D and CloudCompare.	Seoul, Korea

## Personal Projects

### Hanyang University

- Analyzing Time and Position Data from GPS of Construction Equipments and Drawing a Graph of Probability Density Function about Behaviors of Equipments in Python and Excel.

### Fast Campus

- Making my Mini-blog with HTML/CSS/JavaScript.
- Making a clone Homepage - Starbucks Coffee Korea with HTML/CSS/JavaScript.

## Awards

Aug. 2021	<b>Hanyang Award for Graduated with Summa cum laude</b> • Award for Students who graduated with GPA above 4.00 • Graduation Ranking in department : 2
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## Lectures Completed

Jan. 2022	<b>Basic Web developing Course at FastCampus (K-Digital Credit)</b> • Studied about HTML/CSS/JavaScript
Dec. 2021	<b>Beginner Course at BoostCourse of Naver Connect Corp.</b> • Studied about Basic of Computer Science • Studied about Basic of Javascript
Sep. 2020	<b>Engineering Development Research Center (EDRC) of Seoul National University</b> • Digital Transformation for Leaders

## Club Activities

Sep. 2019 ~ Aug. 2021	<b>IMS, Central Swimming Club of Hanyang University</b> • A Member
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## Language and Other skills

• Languages	Native in Korean, Fluent in English
• Programming Languages	Python, HTML/CSS/JavaScript
• Computer Programs	MS-Office(Word, Excel, Powerpoint), AutoCAD(LOD 400), Revit(LOD 300), Civil 3D, Pix4D, CloudCompare
• Military Service	ROKAF (Republic Of Korea Air Force): Apr. 2016 - Apr. 2018
• Interests	Web Development(Front-End), 3D Modeling
• Hobbies	Painting with a Tablet, Playing the Piano and Swimming