

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 (A month)	Hanyang University Master Course in Civil and Environmental Engineering - Track : Construction Project Management - Laboratory : Intelligent Construction Technology Lab (ICTLAB) - Advising Professor : Jong Won, Seo	Seoul, Korea
Mar. 2019 ~ Aug. 2021 (30 months)	Hanyang University 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. - Graduated on Aug. 2021.	Seoul, Korea

Working Experiences

Oct. 2021 ~ Nov. 2021 (2 months)	Platom Inc. <u>Assistant</u> Has participated in activities below. Developing Project of A KMO Educational Application named MO. - 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 (19 months)	Intelligent Construction Technology Lab of Hanyang University (ICTLAB) <u>Researching Assistant</u> Has participated in activities below. 1. Researching project of Development of Smart Construction Technology hosted by ICT Center of Korea Expressway Corporation. - 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. 2. Providing BIM Construction Services for E&C Companies. - 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

Club Activities

Sep. 2019 ~ Aug. 2021 (24 months)	IMS, Central Swimming Club of Hanyang University • A Member
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Awards

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

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

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.

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