

ALEXANDER KIM



Research Engineer
Deep Inspection Co. Ltd.
Location: Seoul, Korea
Email: aksovius@g.skku.edu

ACADEMIC QUALIFICATIONS:

- MS (2022), Convergence Engineering for Future City, Sungkyunkwan University
- BEng (2013), Industrial and Civil Engineering, National Research Nuclear University (MEPhI)

EMPLOYMENT RECORDS:

- Research Engineer, Deep Inspection Co. Ltd., Seoul (2021.08-current)
- Research Assistant, Construction management Lab, Suwon (2020.02-2021.07)
- Service Engineer, Medonica Co. Ltd., Seoul (2018.01 – 2020.02)
- Plant Engineer intern Rostov Nuclear Station, Rostov-on-Don (2013.01-2013.06)

PROJECTS:

- Web application (React, Node.js, Express, PostgreSQL) for scaffolding quality inspection (2021.08-current)
- Semantic segmentation based (Mask R-CNN) metal surface defects detection (2021.01 – 2021.07)
- Semantic segmentation based (U-Net) precast concrete surface defects detection (2020.06 – 2020.12)

PUBLICATIONS / CONFERENCE:

- Kim A., Zhu Z., Lee K., Mun T., Kwon S. "Development of User Interface for Temporary Structure Quality Evaluation System Based on Multiple Sensing and BIM Model." *The 26th Winter Conference of Society for Computational Design and Engineering*, Korea
- Lee S., Kwon S., Jeong M., Hasan M., and Kim A. "Automated On-Site Quality Inspection and Reporting Technology for Off-Site Construction (OSC)-based Precast Concrete Members." p 1152-1159 *2020 Proceedings of the 37th ISARC*, Kitakyushu, Japan, ISBN 978-952-94-3634-7, ISSN 2413-5844

RESEARCH INTERESTS:

- Computer Vision
- Video Recognitions
- Abnormal Behavior Detection
- Construction safety

LANGUAGES:

- Russian *Native*
- English *IELTS 6.0*
- Korean *TOPIK 5*

KEY SKILLS:

- | | | |
|--------------|--------------|-----------------|
| ● Tensorflow | ● PostgreSQL | ● Mathcad |
| ● React.js | ● React.js | ● Deep Learning |

AWARDS:

- Daewoong Foundation - Big Data AI scholarship (2021.11 – 2022.03)
- Daewoong Foundation - 2021 Daewoong Global Scholarship (2021.04 – 2022.12)
- SKKU - Scholarship for International Students (2020.03 – 2022.02)
- NRNU – Full Scholarship (2008.09 – 2013.06)

(Updated March 22)