

강성곤 | Seonggon Kang

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HIGHLIGHTS

- ◆ More than 1 years of hand-on experience in python development
- ◆ Contributed to Boltzmann project GS certification approving & Responsible for the overall work of BEMS project
- ◆ Experienced in developing ui for data monitoring and front-end operations
- ◆ Development capabilities from html, css, javascript to react.js
- ◆ Various fields experience including data processing, analysis and back-end development

EDUCATION

Kyung Hee University, Seoul **2012.03 – 2018.08**

Bachelor of mathematics CGPA: 3.60/4.50

- ◆ Learning MATLAB through numerical analysis and data analyze, preprocess through R

Korea Energy Management System Industry Association, Seoul **2020.09 – 2020.12**

- ◆ Training of professionals in the field of energy efficiency based on IoT and Bigdata
- ◆ Programming language training and device control practices for EMS data communication

PROFESSIONAL EXPERIENCE

Autosemantics Inc. **2020.12 – 2022.04**

Industrial artificial intelligence Solution development company Junior Researcher

- ◆ Boltzmann Project
 - Development building energy management system solution based industrial data protocol (Modbus / BACnet) prior research
 - Creating AHU miniature prototype, for system research and software module development
 - Development crawling module correspond to unstructured environment (unknown building)
 - Development html/css/js based front-end
 - Approached GS Certification (<https://url.kr/fzseqv>)
 - ✓ AHU Miniature Real-time Monitoring & Control (Led, Damper, Air-Fan, Tec Module)
 - ✓ Development python flask based back-end
 - Development Data Acquisition Device

- Deployment at SHINSEGAE Department store at Daegu and prove energy saving
 - ✓ Test Site : Sokcho Daiso, Cheong-gye Icon , Guksabong middle school
- ◆ CGV AHU Scheduling Project
 - Build Uijeongbu CGV screening information crawling process
 - Development of AHU scheduler module based on Fuzzy logic and Air-conditioning guide
 - Development of real-time sensor-data monitoring & control based on socket communication
 - Development of data acquisition and socket communication back-end module

TECHNOLOGY STACK

- ◆ Software Development
 - Python, Flask, Numpy, Pandas, MySQL, MariaDB, MSSQL, Socket Communication, BACnet protocol, Modbus protocol, React js, HTML, CSS, Javascript
- ◆ Hardware/Embedded System
 - Raspberry Pi, BACnet Gateway (Johnson Controls, LG ACP, Samsung DMS) etc
- ◆ OS Tools
 - Windows, Linux, Ubuntu, Debian
 - Git, SourceTree, Notion, Slack, Trello

INTERESTED IN

- ◆ React js/jsx based Front-end
 - Data visualization, ui/ux design
- ◆ Python
 - Django based back-end development Supporting
- ◆ Back-end module development

COLLABORATOR & REFERENCE

- ◆ ***Byong-chol Chong***
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