ALEX SUNGHAK HONG

1575 Anderson Road #1012, McLean, VA 22102 • (303) 847-2381 • suho3463@colorado.edu

EDUCATION

University of Colorado, Boulder   Boulder, CO
Master of Science in Data Science (Part-time)   Expected May 2023
- Relevant Coursework: Data Mining, Vital Skills for Data Science, Statistics & Probability, Data Structure & Algorithm

Bachelor of Art and Science in Computer Science   May 2020
- Relevant Coursework: Data Structure, Algorithms, Computer System, Database, Cybersecurity, Artificial Intelligence

TECHNICAL SKILLS AND LANGUAGE

Programming Language: Python, R, C, C#, C++, Java, JavaScript, Scala, MySQL, MATLAB, HTML, LaTeX, CSS, Linux, PHP
Certificate: AWS Cloud Practitioner, JLPT – Japanese Language Proficiency Test (N1)
Language: English, Korean, Japanese

WORK EXPERIENCE

MindHome Inc   Louisville, CO
Python Backend Developer, Intern   October 2020 – January 2021
- Assisted in developing multiple websites of company for product promotions and marketing purposes using Python
- Worked with company's senior engineers and managers to assist them with coding and developing server framework for website maintenance purposes
- Used Docker container and FastAPI to connect website server with local device
- Had weekly discussion with Python developer team to discuss ideas for web design and development plans.

Republic of Korea Army   Republic of Korea
Sergeant, 6th Division, 19th Regiment, Reconnaissance Company   October 2017 – June 2019
- Served as signal corpsman and a military S/W staff for 20 months
- Developed and maintained web applications in Java, Oracle Database, and backend systems such as DB or server
- Lived in Guard Post ("GP") near the border in Demilitarized Zone between North Korea and South Korea and guarded the border
- Documented all access from and to GP and reported to upper unit
- Facilitated communications between headquarters and squad and operated cable/wireless signal equipment in corps

RELEVANT PROJECTS

NYPD Shooting Incidents Data Analysis   October 2021 – December 2021
- Project for Data Science coursework
- Analyzed data of shooting incidents occurred in New York City from 2006 to 2020 and examined relationships between perpetrators and victims, incident locations, and times
- Imported, tidied, transformed, and analyzed big data using R

Web Project – Website for People with Disabilities   September 2019 – December 2019
- Project for Software Development Methods and Tools coursework
- Developed online map for people with disabilities which located all obstacles and useful devices in campus and help people with disabilities improve their campus lives using HTML, CSS, and JavaScript
- Led and facilitated quality assurance process as project leader by coordinating with students and professors