

Ji Hyung Kim

SOFTWARE ENGINEER · COMPUTER SCIENCE AND ECONOMICS MAJOR · BOSTON COLLEGE

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Skills

Programming : C++/C, Python

Data Science / Analytics : Numpy, Pandas, Scikit-Learn, SQL, AWS, R, Excel

Web / Media : Flask, HTML/CSS/JavaScript, React.js, Vue.js, Node.js, AdobeXD

Experience

Korean Augmentation To the United States Army

Camp Humphreys, S.Korea

SERGEANT (ARMY INTERPRETER)

Oct. 2018 - May. 2020

- Assisted translation during joint meetings and training sessions as the main army interpreter of the 549th Hospital Center
- Served as the member of COVID-19 Response Team of the hospital to instruct necessary procedures to patients
- Developed and launched the hospital's digitized COVID-19 web-service for the army community in Korea - www.usfkcorona.com
- Received Army Commendation Medal for honorable service

KPMG

Seoul, S.Korea

RESEARCH INTERN

Jul. 2018 - Aug. 2018

- Analyzed market trends on corporates' sustainable management and drafted multiple reports for Korea's leading food service companies
- Developed a report on evaluating market effect in regards to the corporates' sustainable management policy
- Worked on multiple sustainable management proposal presentations for clients such as Doosan Bobcat, Samsung Welstory, LG Household and Health Care

Projects

Synopex Inc. - Face Scanner to Recommend Mask Size

Seoul, S.Korea

BACK-END : PYTHON, FLASK, AWS

Jan. 2021

- Built mobile application for Synopex, a filter manufacture company for water purifier and facial mask, scanning face size of a user that would recommend company's mask products which fit the facial size
- Utilized public datasets published in 2004, 2010, and 2015 to train a model to project a length from ear-beads to philtrum
- Used Ensemble Learning classification method of combining light-GBM, catagorical-Boost, and cubist to enhance the projection performance
- Currently available in Android and iOS Appstores

USFK COVID-19 Hotline (www.usfkcorona.com)

Camp Humphreys, S.Korea

FULLSTACK : HTML/CSS/JAVASCRIPT, PYTHON, BEAUTIFULSOUP, FLASK, MYSQL, AWS, GIT

Jan. 2020 - May. 2020

- Designed and distributed 549th Hospital Center's COVID-19 web-service to inform the military community during the widespread pandemic
- Web-service composed of functionalities of Live Update, Self-Assessment, Hotspot Tracker, and Contact Features
- In order to quickly assist patients, the service grants random number after the assessment allowing the response-team to access the patient information with given number

Slack App - 'Mapbot'

Seoul, S.Korea

FULLSTACK : HTML/CSS/JAVASCRIPT, JSON, GIT

Jun. 2019

- Slack App to automatically send Google Map Preview and URL when user types the destination after the custom command
- Introduced how to freely host the web application with high performance utilizing global CDN services.

School / Honors and Awards

2021 **Algorithm (CSCI3383) Paid Note Taker**, Paid note taker to assist students with learning disability

MA, U.S.A

2021 **Top 10%**, DAICON AI Motion Detection Competition

Seoul, S.Korea

Education

Boston College

Chestnut Hill, United States

B.A. IN COMPUTER SCIENCE AND ECONOMICS

Sep. 2016 - Present

- Culminative GPA : 3.20 / 4.0