
Junghun Kim

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EDUCATION

University of Minnesota, Twin Cities

- Bachelor of Science and Engineering - Computer Science

(Expected) May 2023

Major GPA 3.6/4.0

TECH WORK HISTORY

Tesser Inc, Seoul, South Korea

Corporate R&D Center - Data Scientist (Assistant)

May 2022 – Sept 2022

- Used Automation Python Library to extract desired data from Clinical Trial Website
- Exploratory Data Analysis (EDA) on Clinical Trial Data using Pandas and Seaborn Python Library
- Preprocessed Clinical Trial data to be feasible for Machine Learning Model with over 70 percent accuracy
- Separated Clinical Trial data using K-means clustering algorithm which optimized with silhouette coefficient
- Hyper-Parameter tuning using Wandb
- Deployed a Deep-Learning Model to build an API using Streamlit

Data Engineer

March 2021 - Dec 2021

- Over 95% accuracy with XGBoost, CatBoost, and LightGBM which infers on 5 Incurable Diseases with medical checkup data
- Documented the REST API thoroughly using comments, and graphs
- Refactored REST API structure for better readability and cost-effective

PROJECTS

Drone Simulation Sprint Group Project (<https://github.com/junghun-K/csci3081w-project>)

- Implemented a taxi meter which after picking up the robot, the drone places the robot in the desired place and automatically takes off the amount from the robot's wallet
- Applied various design patterns in C++; Decorator in this project
- Spearheaded the project with Decorator design pattern; planning with UML diagram, implementation
- Peer code review with Github

My Website (servers, ver 1: [PythonServer](#), ver 2: [NodeJS](#))

- Implemented the web pages front-end with HTML/CSS/Javascript
- Generated contact management interacted with a database hosted on CSELab Machine
- Utilized two public APIs that find the location and current weather from the found location
- Designed pure HTTP request/response server
- Tested possible requests with Postman

To-Do-List (<https://github.com/junghun-K/To-Do-List>)

- Generated server with ExpressJS framework with MySQL to store, filter, remove, and update items in a database
- Utilized User Interactions as the status of an item is changed without reload

ACTIVITIES

- Managed/Scheduled business trip to LA festival for 5 days
- Promoted the product of Tesser at LA festival as manager
- Military Service in the Republic of Korean Army
- Played as a Midfielder in Korean Soccer Team at UMN

TECHNICAL COURSEWORK

- Operating Systems
- Machine Learning
- Artificial Intelligence
- Discrete Structures
- Data Mining
- Database
- Program Design & Development
- Algs. & Data Structure

SKILLS

- **Programming Languages:** [Python](#), [Pytorch](#), [Tensorflow](#), [JavaScript](#), JAVA, C, C++, SQL, HTML/CSS/JS, PUG
- **Developer Tools:** VSCode, Jupyter notebook, Github, Unix/Linux, Postman, Docker, Agile, Wandb
- **Technical Skills:** Crawling, EDA, REST API, Modulization, Optimization, Thread Management
- **Technology and Frameworks:** Node.js, Express.js, MySQL, PostgreSQL