HYUNSEOK(AIDEN) JUNG

@ hyunseok0314@gmail.com 010-7714-7650 aiden-jung.github.io

EDUCATION

Bachelor of Arts, Dec 2022
Computer Science & Mathematics Grinnell, Iowa
Grinnell College

Cumulative GPA	: 3.83 / 4.00
Major GPA(Computer Science)	: 3.88 / 4.00
Major GPA(Mathematics)	: 3.92 / 4.00

EDUCATIONAL PROGRAM

Naver Connect Boostcamp AI Tech — Mar 2023 - Aug 2023

LG Aimers — Jan 2023 - Feb 2023

Samsung SW Enhancement Lecture — Jul 2022 - Aug 2022

PROJECTS

LOL Recommender - Javascript & Python — Jun 2023 - Now
- Recommended league of legends champions, items, etc.
- Deployed the End-to-End service on GCP.

Movie Recommender - Python — May 2023 - Jun 2023
- Recommended personalized movies to users based on rating data.
- Used RecBole and improved performance with ensemble learning.

Answer Correctness Prediction - Python — May 2023
- Predicted the probability of a user's answer correctness.
- Used SAINT+ and increased performance through data augmentation.

Book Rating Prediction - Python — Apr 2023
- Predicted a user's book rating.
- Used Pycaret and improved performance with ensemble learning.

Product Quality Classification - Python — Feb 2023
- Used TabNet to classify product qualities based on LG Smart Factory data.

3D Reconstruction from a Video - Matlab — Nov 2022 - Dec 2022
- Reconstructed a 3D model from a video with two optimization methods: Damped Newton Method & Bundle Adjustment.

Wine Consumption Prediction - R — Apr 2022 - May 2022
- Predicted a customer's wine consumption rate based on his/her characteristics with random forests.

Attractiveness Prediction - R — Nov 2021 - Dec 2021
- Created a model for statistical analysis on individuals' evaluation about their partner's physical attractiveness in speed dating, using stepwise regression.

MY LIFE PHILOSOPHY

"Any sufficiently advanced technology is indistinguishable from magic."
- Arthur C. Clarke -

COURSEWORK

Computer Science
- Functional Problem Solving
- Imperative Problem and Data Structures(Robots)
- Object-Oriented Problem Solving, Data Structures, and Algorithms
- Analysis of Algorithms
- Software Design and Development with Lab
- Automata, Formal Languages, and Computational Complexity
- Operating Systems & Parallel Algorithms
- Computer Vision

Mathematics
- Calculus
- Linear Algebra
- Discrete Bridges to Advanced Mathematics
- Foundations of Abstract Algebra
- Foundations of Analysis
- Advanced Topics in Analysis
- Introduction to Data Science
- Applied Statistics
- Statistical Modeling
- Econometrics

TECHNICAL SKILLS

Programming Languages
C/C++ | Java | Python | R | Matlab | Maple | Javascript | HTML/CSS

Web Technologies
React | Nextjs

Backend Frameworks
Express | Flask | Fastapi

Databases
MySQL | SQLite | MongoDB

Data Analysis & Visualization
NumPy/Pandas | Matplotlib/Plotly

AI
scikit-learn | PyTorch | ONNX

Version Control & CI/CD
Git | Github Actions | Airflow

Containerization & Orchestration
Docker | Kubernetes

Cloud Platforms
AWS | GCP