

HYUNSEOK(AIDEN) JUNG

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EDUCATION

Bachelor of Arts,
Computer Science & Mathematics

📅 Dec 2022
📍 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.

Move 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