

YERYEONG KIM

DATA SCIENCE · KNOWLEDGE GRAPH

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Education

Dong-A University (DAU)

B.S. IN DEPARTMENT OF ARTIFICIAL INTELLIGENCE

Busan, S.Korea

Mar. 2021-PRESENT

Skills

Programming Python, C++, C

SW Dev Flutter

Data Analysis MySQL, MongoDB

Languages Korean, English

Experience

DAU Data Science Labs

UNDERGRADUATE RESEARCH INTERN

Pusan, S.Korea

Nov. 2022-PRESENT

- Conducting and assisting research with Prof. Jungkyu Han and Prof. Sejin Chun.
- Reading and organizing papers on carbon optimization scheduling.
- Learning UI/UX of semantic table interpretation.

Project

COCL(Carbon-Optimized Course Load)

NET-ZERO ON CAMPUS LECTURE SCHEDULE WITH REAL-TIME TRACKING OF CARBON FOOTPRINT

Jun. 2023-PRESENT

- Real-time power usage and carbon footprint tracking for CPU/GPU.
- Scheduling campus lectures for carbon neutrality.

Honors & Awards

DOMESTIC

2023 **Best Excellent Award**, DAU DEVDAY 2023

Busan, S.Korea

Presentation

2023 Dong-A University AI SW DevDay Competition

Busan, S.Korea

PRESENTER FOR <CARBON OPTIMIZED COURSE LOAD (COCL) SERVICE FOR NET-ZEROING CAMPUS COURSE

Aug. 2023

SCHEDULES THROUGH REAL-TIME TRACKING OF CARBON FOOTPRINT.>

- A scheduling service that tracks real-time carbon emissions for individual PCs in a university, assigning high-carbon-emitting subjects to times of day when solar power is strong.

References

Prof. Jungkyu Han

INTRODUCTION

- Professor at DAU, Dept. of Computer Science and Artificial Intelligence
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Prof. Sejin Chun

INTRODUCTION

- Professor at DAU, Dept. of Computer Science and Artificial Intelligence
- Department Chair of Artificial Intelligence
- Email: sjchun@dau.ac.kr