

Jungeun Hwang

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EDUCATION

Purdue University, College of Science

West Lafayette, IN

Bachelor of Science, Data Science & Applied Statistics

May, 2025

Anticipate pursuing a Master's program in Computer Science in Fall 2025

- Classes: Linux Essentials, Introduction to Artificial Intelligence, Computer Vision with Deep Learning

PROFESSIONAL EXPERIENCE

DIAL Ventures

West Lafayette, IN

Data Analyst Intern

Aug 2023 – Present

- Automated and streamlined the categorization, storage, and retrieval of 6 base industry sentiment surveys using Qualtrics and MySQL, reducing processing time by 30%
- Designed and implemented a dynamic Tableau dashboard, enabling 300+ agricultural business executives to gain insights into future crop demands across various Agrifood segments
- Constructed ETL (Extract, Transform, Load) pipeline using Python libraries and Apache Spark to process large-scale crop budget data, enabling real-time Tableau visualizations

LRNING Lab

Seoul, South Korea

Undergraduate Researcher

May 2024 – Aug 2024

- Conducted experiments with transformer models (LUNA, Vanilla) for NLP tasks, including translation datasets
- Optimized model architectures and hyperparameters, improving training loss from 7.29 to 0.24
- Analyzed and documented emerging trends in large language models, focusing on in-context learning and transformer optimization, and hierarchical language structures

Digital Agriculture Discovery (DAD) Lab

West Lafayette, IN

Summer Undergraduate Research Fellowship (SURF)

May 2023 – Aug 2024

- Engineered an interactive AI chatbot for a weed control system that provides farmers with precise and effective treatment instructions
- Fine-tuned a deep learning model (BERT) to interpret farmers' inquiries and route them to the appropriate backend APIs
- Developed a pipeline to extract and embed data from a 500+ page PDF for semantic search, achieving an information retrieval accuracy of 75%

LEADERSHIP AND INVOLVEMENT

The Data Mine – Purdue University

West Lafayette, IN

Team Leader

Aug 2022 – May 2023

- Led a team of 10 undergraduate researchers in the Radiogenic Isotope Geology Lab using agile methodologies
- Analyzed relationships between filament current and temperature in lead (Pb) and uranium (U) datasets
- Utilized Python for data visualization to track the temporal progression of research findings

Information Technology at Purdue

West Lafayette, IN

Technology Coordinator & Representative

Mar 2022 – Jan 2023

- Supervised computer labs, monitored stations, and restored devices using station status tracking software
- Provided technological support to students and faculty, addressing printing and login authentication issues
- Maintained consistent communication with 100+ head offices and coworkers through Microsoft Teams

Dco institute

Seongnam-si, South Korea

Coding Expert Tutor

May 2022 – Aug 2022

- Instructed 20+ middle school students in Scratch, S4A, and Arduino, fostering foundational programming skills
- Developed and delivered dynamic Python classes in English, tailored to varying skill levels
- Created and organized engaging lesson plans and materials for effective learning

RELEVANT SKILLS

- Python (Pandas, TensorFlow, PyTorch, scikit-learn, Flask), R, Java, React Native, MySQL, Tableau, Next.js, C, Android Studio, HTML, JavaScript, Typescript, Apache Spark, Microsoft Office