Daesung Kim

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Junior student with strong interest in incorporating computer vision techniques to analyze nanoscale images. Eager to learn innovative technologies to solve existing challenges.

Education

Yonsei University — Expected: June 2023
Bachelor of Science – Nanoscience and Engineering — Cumulative GPA: 3.86/4.3

Skills

Programming Languages: Python (advanced), Java (proficient), C++ (intermediate)
Languages: English (native), Korean(native), Chinese (proficient)
Relevant Certificates: Advanced Data analytics Professional, SQL Developer (kdata), Deep Learning Specialization (Coursera)

Experiences

Deep Learning Research Intern, Cognex Korea, Seocho-gu, Seoul — *June 2022 ~ Aug 2022*
- Hypothesized and experimented segmentation techniques on logistic images
- Cross-validated domain generalizability of constructed models
- Experimented augmentation techniques to enhance generalizability

Computer Science Teacher, Remote — *Sept 2021 ~ Dec 2021*
- Taught one-semester course on computer science to eight students in grades 9-12
- Introduced Python programming and computing technologies such as hardware and Internet

AI Research Intern, Mondrian AI, Yeonsu-gu, Incheon — *June 2021 ~ Aug 2021*
- Developed an OCR prototype for construction drawings
- Qualitatively assessed performance of the model

Extracurricular Activities

Ybigta, Data Science Team — *Jan 2022 ~ Present*
- Studied fundamentals of NLP and computer vision
- Reviewed recent papers on segmentation & 3d vision
- Implemented famous machine learning algorithms from scratch

UIC Research Project - Global — *May 2022 ~ Aug 2022*
- Addressed limitations of LSTMs and transformers for portfolio management
- Designed MLP architecture that processes technical indicators along with stock prices

Dacon Monthly Challenge, Private 14th — *Feb 2022*
- Used r3f loss to perform regularized fine-tuning of ROBERTa model
- Experimented with variations in dataset (addition, augmentation)

Yonsei-Nexon RC Creative Platform, Participation Award — *May 2020 ~ Nov 2020*
- Collaborated with diverse peers to develop audio-assisted scale for the blind
- Used Arduino prototypes with 3D printer