

Joel Jang

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EDUCATION

Korea University
Bachelor of Computer Science and Engineering
GPA: 3.75/4.5 (91.4/100) / Major GPA: 4.03/4.5

Seoul, Korea
March 2017 – Present (*February 2021*)

RESEARCH/WORK EXPERIENCE

NAVER CORP. | USER FEEDBACK PLATFORM

Summer Intern

Seongnam-si, Korea
July 2020 – September 2020

Improving current hate speech comment detection model (AI Clean Bot 2.0)
Developed novel incremental learning method to solve the data imbalance problem (*IEEE Access pending*)
Implementing SOTA research on multitask learning, semi-supervised learning and online learning on real application

KOREA UNIVERSITY NATURAL LANGUAGE PROCESSING RESEARCH LAB

Undergraduate Research Intern

Seoul, Korea
March 2020 – July 2020

Basic NLP Research including Machine Reading Comprehension, Open-Domain Question and Answering, Natural Questions, and Language Models. Placed 4th place in NLP Competition.

Korea Institute of Science and Technology (KIST) EUROPE

Research Intern / Smart Convergence Group

Saarbrücken, Germany
August 2019 – January 2020

Implemented deep learning models for motor fault diagnosis and prognosis
Developed early fault detection model using convolution neural networks and data wrangling method

KOREA UNIVERSITY BLOCKCHAIN RESEARCH LAB

Undergraduate Research Intern

Seoul, Korea
March 2019 – June 2019

Basic research foundations of blockchain technology and potential security vulnerabilities

KOREA UNIVERSITY AI RESEARCH LAB

Winter Research Intern

Seoul, Korea
December 2018 – February 2019

Implemented multiple-GPU parallel model training algorithm (Features Replay Algorithm) using CUDA programming

PUBLICATIONS

Yong Oh Lee, **Joel Jang**, Sungho Suh, Diagnosis of bearing wear state and prediction of remaining useful lifetime using nested scatter plot. PHM KOREA 2020. (*short paper*)

Sungho Suh, **Joel Jang**, Seungjae Won, Mayank S. Jha, Yong Oh Lee (2020), Supervised Health Stage Prediction Using Convolution Neural Networks for Bearing Wear. Sensors, 20(20), 5846.

SCHOLARSHIPS AND CERTIFICATES

Future Global Leader Scholarships, Korea University, 2019

Korea Student Aid Foundation, Samsung Scholarship, 2019

GRE: 326 (Verbal, 157/170, 76th Percentile) | Quant, 169/170, 95th Percentile | AW, 5.0/6.0, 92nd Percentile)

TOEFL: 119/120 (Reading, 30 | Listening, 30 | Speaking, 29 | Writing, 30)

SAT: 1530/1600 (Reading and Writing, 730 | Math, 800)

TECHNICAL STRENGTHS

Programming Languages
Programming Libraries

Python, Java, Html, CSS, Javascript, React, Linux
Tensorflow, Keras, Pytorch, Pandas, Numpy, Sklearn, CUDA, Spark, Hadoop

LANGUAGES

Bilingual in English(*native, 12 years living in US, 2004-2016*) and Korean(*native*)
Conversational in Chinese

REFERENCES

Dr. Yong Oh Lee
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Smart Convergence Group, Korea Institute of Science and
Technology
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