

Kiwoong Yeom

<https://github.com/newhiwoong>

<https://newhiwoong.github.io>

Education

Sejong University / Department of Data Science

2018.03.01 -

Top-Ranking student in course "Intelligence Systems" (senior level) and "Topics in Machine Learning" (Graduate school class).

Conducted various research projects such as IMDB, Gowalla Dataset, national petition analysis as undergraduate researcher. Build environment with Github, Slack, Trello, Dropbox, Manifestly, etc.

SNU 4th Industrial Revolution Academy / Big Data Engineer

2017.08.21 - 2017.12.22

Completed courses including Hadoop / Spark, Advanced Python, Machine learning, Deep learning, Recommender System, Text mining, Web analyst and [GeneticAlgorithm-TSC](#), [Reputation_analysis](#) project progress

Hansei Cyber Security High School / Department of Hacking Security

2014.03.01 - 2017.02.10

Completed courses including computer architecture, data structure, network, information security, etc. Active member of network security.

Acquired certificates: information processing technician, Linux master, network manager.

Professional Experience

ArchitectGroup, Inc. / Solutions Engineer

2016.08.22 - 2017.02.17

The LG team migrated all of the existing IBM ALM Tool to codeBeamer. By creating an Excel script that converts to the format of codeBeamer, it is possible to perform more than twice as fast as before.

Managed Seafile product, and resolved special inquiries from Samsung and various companies.

Experience

National Petition / Directed Research

2018.12.26 -, [Github](#), [Report](#)

Developed web-crawler and collected 'National Petition and Proposal (Korea)' data with 371,229 petitions.

Conducted text analytics and visualized the 'National Petition and Proposal (Korea)' dataset

Analyzed the correlation between the petition dataset and the 'approval rating' of President Moon.

Build 'Place to visit in Seoul' recommender system / Team project

2018.10.07 - 12.20, [Github](#), [Report](#)

Filter based on weather conditions and user's desired location, and recommend 'nearest place in Seoul'

PM, Use APIs, create recommended algorithms, develop web, assign data columns

Multipurpose Word Cloud / Personal Project

2018.12, [Github](#), [Image](#), [Post](#)

Developed word cloud builder based on user's preference.

Reputation analysis / Team project

2017.09.11 - 12, [Github](#), [Slide](#)

Crawled politician-related news articles, analyzed the Reputation of a politician based on word sentiments.

GeneticAlgorithm-TSC / Team project

2017.08.24 - 09.02, [Github](#)

Used Genetic Algorithm to adjust the speed to arrive close to train transfer time.

Significant improvement on time-efficiency (about four times better performance with 1,800 generations) through applying Genetic Algorithm.

STAR (Support typing analysis return) / Personal Project

2017.05.18 - 06.02, [Github](#)

Analyzed the typing speed and docs of users and supports weak-points.

MINT64OS / Personal Project

2015.12.30 - 2016.02.28, [Github](#)

Build the development environment and OS-related learning, then proceed to boot loader creation and protection mode conversion

Awards

Silver place / Hackathon, Sejong University

Developed 'Start-up funding site

Selected as Student representative / SNU 4th Industrial Revolution Academy

One out of two students representative

Skills

Language

Python, JavaScript, C

Framework

Pandas, NumPy, scikit-learn, KoNLPy, Spark, [PyTorch](#), [TensorFlow](#), [Keras](#)

AI / ML

Learning the traditional ML field as a self-study Oh Il-Seok '[Pattern recognition](#)', Michael Negnevitsky of '[Artificial Intelligence](#)', Vision + NLP + Sequence Models - Completion of course [Coursera](#), [Reinforcement learning](#) + [Deep Generative](#) Study and practice through study

