Heejae Yim

- Data Scientist, Information Retrieval Engineer
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Work Experience

NAVER (2018.5 - Present, South Korea)

Software Engineer

- Clustering of News Articles for Line News Search
  - 2019.1 - 2019.6
  - Developed news article clustering and applied to Line News search.
  - Analyzed user behavior logs to increase users' satisfaction in Line News.
- Authority Topic Extraction from SNS
  - 2018.8 - 2018.12
  - Extracted authority topic from web-crawled SNS documents (youtube, twitter, etc) using language model with user feedback.
- Learning to Rank for Line Matome Search
  - 2018.5 - 2018.8
  - Designed the ranking model and learning to rank for documents of Matome service written in Japanese.(https://matome.naver.jp/)
  - Extracted features to improve efficient query term matching on documents.

NAVER / Search Solutions (2015.4 - 2018.5, South Korea)

Software Engineer

- Learning to Rank for Naver Video Search
  - 2017.1 - 2017.8
  - Designed the core ranking model of video search using web-crawled videos and service DB.
  - Set up the tagging system and created guidelines for labeling of query-document relevant scores.
  - Implemented learning to rank and evaluated the trained models (nDCG, MAP, P@5, etc.)
- Feature Extraction and Refining Web Data
  - 2015.4 - 2018.5
  - Analyzed user behavior and applied to improvement of Naver search quality.
  - Refined web data using distributed computing (Hadoop, Spark, etc.)

ISIT 九州先端科学技術研究所 (2013.6 - 2015.3, Japan)

Research Assistant

- Detecting Cyber Attack Using Compression Rate
  - 2013.6 - 2015.3
  - Analyzed Darknet and made the system detecting cyber attack using the change of compression rate.

NEC / Central Research Laboratories (2013.8 - 2013.9, Japan)

Internship

- Visualization Network Traffic to Detect Cyber Attack
  - 2013.8 - 2013.9
  - Made the visualization system for detecting unusual network traffic

Education

Kyushu University (2013.4 - 2015.3, Japan)

- Master of Engineering (M.Eng.) Informatics
- Theoretical Computer Science Lab : http://tcs.inf.kyushu-u.ac.jp/index-e.html
- Research Topics : Streaming Algorithm, Randomized Algorithm
- Papers : https://heejae-yim.github.io/papers/

Kyushu University (2009.4 - 2013.3, Japan)

- Bachelor of Engineering (B.E.) Electrical Engineering and Computer Science
- Korea-Japan Joint Government Scholarship
- GPA 3.57 / 4.0

Technical Skills

- python, java, scala, sql, bash
- hadoop, spark, map-reduce, hbase
- elasticsearch, mongodb, flask, docker, git

Languages

- Japanese : Professional, JLPT N1 (2015.11.01)
- English : Business Level, TOEFL iBT 82/120 (2012.8.19)