

Curriculum Vitae

A. Personal Identification

Name Hae-Cheon Kim
Position Student in Master course of Computer Science at Chung-Ang University
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Tel +82-10-7151-0173
Address School of SW, Chung-Ang Univ., 84 Heukseok-Ro, Dongjak-Gu, Seoul 06974, Korea
Interest Artificial Intelligence, Graph Theory, Deep Learning, Optimization Algorithm

B. Education

2018 – 2020 M.S., School of Computer Science and Engineering, CAU
Academic Adviser: Prof. Jaesung Lee
Thesis: Effective Multi-label Text Categorization using Pairwise Topic Dependency

2012 – 2018 B.S., School of Computer Science and Engineering, CAU
Thesis: A study on the 'Graph Isomorphism Problem' can be a polynomial

C. Work Experiences

2020 – AI Research Engineer, kakaobrain

D. International Publications

C.1. Published from SCI(E) Journals

Jaesung Lee, Jaegyun Park, **Hae-Cheon Kim** and Dae-Won Kim
Competitive Particle Swarm Optimization for Multi-Category Text Feature Selection
Entropy, 21(6.602):1-23, 19 June **2019**
Publisher: MDPI AG, ISSN: 1099-4300, [HTTPS://doi.org/10.3390/e21060602](https://doi.org/10.3390/e21060602)
Acknowledgment: NRF-2019R1C1C1008404 (Prof. J. Lee) & CAU GRS in 2018

Hae-Cheon Kim, Jin-Hyeong Park, Dae-Won Kim and Jaesung Lee
MLNB-LD: Multilabel Naïve Bayes Classification Considering Label Dependency Competitive
In Submission (Pattern Recognition Letters)
Acknowledgment: NRF-2019R1C1C1008404 (Prof. J. Lee)

E. Domestic Publications

D.1. Published from KCI Journals

Hae-Cheon Kim and Jaesung Lee,
A Novel Posterior Probability Estimation Method for Multi-label Naive Bayes Classification,
Journal of The Korea Society of Computer and Information,
Vol. 23 No.6, pp. 1-7, **2018**
Publisher: 한국컴퓨터정보학회, ISSN: 1598-849X, 10.9708/jksoci.2018.23.06.001
Acknowledgment: NRF-2017S1A6A3A01078538

D.2. Published from Domestic Conferences

Young Ki Kim, **Hae-Cheon Kim** and Jaesung Lee,
An Efficient Path Planning Algorithm for Partially Observable Maps Based on Value Iteration Algorithm,
부분관측가능 환경의 경로 계획을 위한 효율적인 가치 반복 알고리즘. 한국정보처리학회 춘계학술발표대회 논문집
The KIPS Spring Conf., 26(1): 412-414, Seoul, Korea, May **2019**

Lee Seul hee, **Hae-Cheon Kim** and Jaesung Lee,
Feature Selection using Particle Swarm Optimization and Emotion Set Classification for Music Data,
입자 군집 최적화를 이용한 음악 데이터 특징 선택 및 음악 데이터와 관련된 감정 분류 실험, 지능정보시스템학회 학술발표 논문집 16(2)
The KIIS Spring Conf., 2018(6): 21-23, Seoul, Korea, May **2018**

Hae-Cheon Kim and Jaesung Lee,
Improving Accuracy of Multi-label Naive Bayes Classifier,
다중 레이블 나이브 베이저안 분류기의 정확도 개선 연구, 한국컴퓨터정보학회 학술발표논문집
The KSCI Winter Conf., 26(1): 147-148, Pusan, Korea, January **2018**

F. Projects

- 2019 - 2019 Korean Music Reproducing System based on Cultural Aesthetics, NRF
문화적 심미성 기반 한국형 음악 리프로듀싱 시스템, 과학기술정보통신부(한국연구재단)
Role: Researcher (Ack code: **NRF-2019R1C1C1008404**)
- 2018 - 2019 Software-Focused University, IITP
SW 중심대학(중앙대), 과학기술정보통신부(한국연구재단)
Role: Assistant (Ack code: **IITP-20170001000011001, IITP-20170001000031001**)
- 2017 - 2019 Inter-cultural Korean Music Discovery based on Pluralistic Music Emotion, NRF
다원주의적 음악감성 기반 문화호환적인 한국형 음악 발굴 연구, 미래창조과학부(한국연구재단)
Role: Researcher (Ack code: **NRF-2016R1C1B1014774**)

G. Awards

- 2019 춘계학술발표대회 우수논문상(한국정보처리학회)
- 2018 - 2019 Chung-Ang University GRS