

## Personal Information

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## Profile

Currently, I'm attending at Korea University for Junior. Major is Computer Science and Engineering, and take a Software Technology and Enterprise Program for Interdisciplinary Program. My vision is a specialist for software development to make a better world. Also, I think philosophy is the source of life. For that reason, I want to be a developer who embraces one's philosophy into code. Although I enjoy using rapidly changing framework, I do not want to be buried in that technology. I just want to earn foundation of computer science during undergraduate student.

## Interest

“ Data Mining / Machine Learning / Deep Learning / Cloud Platform ”

## Education

학사학위 학생 | 3 학년 | 고려대학교

- Bachelor of Engineering in **Computer Science and Engineering**, Spring 2016 -
- Bachelor of Engineering in **Software Technology and Enterprise Program** (Interdisciplinary Program), Fall 2017 -
  - Major GPA of **4.5 / 4.5 (100 / 100)**
  - Total GPA of **4.37 / 4.5 (98.5 / 100)**

Course: Algorithms, Computer Architecture, Data Structure, Digital Logic Design, Theory of Computation, Discrete Mathematics, Computer Programming (C / Java), Mathematics (Linear Algebra / Probability and Statistics / Calculus)

## Publication

- **J. H. Baek**, D. K. Lee, C. Y. Hong & B. T. Ahn. (2017). Multimodal approach for blocking obscene and violent contents. *Journal of Convergence for Information Technology*, 7(6), 113-121.

## Experiences

### 개발자 & 리드(대표) | Microsoft Student Partner | 2016.09 ~

- Microsoft Student Partner Developer (2016.09 ~) & Lead (2017.01 ~ 2018.02) at Korea
- **기술전도:** After acquiring Microsoft's new technology, educate developers mainly on ML
  - Microsoft Student Partner Tech. Seminar Speaker, Introduce Windows Hello (Microsoft's Face Recognition Login System), 2016.10.06
  - Microsoft Student Partner Evangelism, Introduce Machine Learning using Azure Machine Learning Studio, 2016.11.27, 2017.11.25
  - Microsoft Student Partner Evangelism, Introduce Microsoft AI Technology Cognitive Service and Serverless Cloud Service Azure Function using JavaScript and Python, 2017.11.04
- **프로젝트:** Develop software that contribute to society through Microsoft technology, Project Name: Cushy – Integrated management system for welfare institution based on Microsoft's face recognition attendance system, 2017.01 ~ 2017.06
- **리드(대표):** Plan monthly seminar and Check-up MSP Team's Evangelism Technical contents with Microsoft Employees
- **한국대표:** Microsoft Student Partner 2017 Global Summit Program representative of Korean Conducting a role as a technical ambassador of Korean Student Partners

### 8<sup>th</sup> 연수생 | SW Maestro | 2017.08 ~ 2017.12

- SW Maestro is the greatest government-funded project to train talented students at Korea
- **프로젝트:** Automatically Blocking Obscene & Violent Movie Contents using Machine Learning
- Through research achievement of above project, write a domestic journal "Multimodal approach for blocking obscene and violent contents."

### 조교 | 데이터로표현하는세상 | 2017.03 ~ 2017.06

- Korea University General Subject COMPUTING THE WORLD Teaching Assistant
- Assist Computational Thinking, Python and Block-coding System (Entry-Board)

## Extra-curricular Activities

### 임원 | 징검다리 | 2016.07 ~

- Samsung Dream Scholarship Foundation Scholarship Executive
- Connect foundation of the Samsung Dream Scholarship with scholarship scholars
- Plan and promote various programs for the development of the foundation and the foundation scholars such as mini athletic competition, photo competition, themed travel, and lots of foundation's events.

### 회장 | Inc0gnito | 2018.03 ~

- Inc0gnito: Largest Information Security Conference in Korea organized by university students.
- Organize conference covers various techs, news and trends on Info Security area, which also aims the goal of being a meeting place of future Info Security specialists.

### 회장 | KUICS | 2017.07 ~ 2018.02

- KUICS: Korea Univ. Institute of Computer Security (Club)
- Taught Basic Security to freshmen in Computer Science for a year
- Organized and participated in various activities such as study groups, CTF contests, and external relationship with other security clubs.

### 교육복지국 국장 | 고려대학교 정보대학 학생회 | 2017.03 ~ 2017.11

- Korea Univ. College of Information Student Council director of Education & Welfare Bureau

## Volunteering Work

### 고려대학교 교육봉사 중앙동아리 운화회 | 2016.07 ~ 2017.07

- Korea University Student Educational Volunteer Club Mathematics Teacher
- Volunteering for children vulnerable to education, twice a week that ranks almost 300 hours

### 삼성 꿈 장학재단 꿈 나눔 해외봉사 5 기 | 2016.07 ~ 2017.07

- For two weeks, volunteer for Cambodia country side children by building school, sharing cultures, and teaching childrens that ranks 54 hours

## Speaker

### KAIST ICISTS Experience Session

- KAIST ICISTS Experience Session is the place where anyone can meet a variety of company's products and technologies
- Participate KAIST ICISTS Experience Session in the capacity of Microsoft, 2017.08.01
- To introduce Microsoft's AI Service, made simple game that recognize face's emotion using Cognitive Service and JavaScript

### KUSISWALL Seminar

- KUSISWALL is Korea, Sookmyung, Hanyang University security club's joint seminar
  1. Security issue of Hash encryption & Linux password, 2016.06.25
  2. Phishing Website Detection using Azure Machine Learning, 2018.02.02

## School Project

### Connect Four AI | AI | 2018.05

- Make Connect Four AI based on the Rule / Heuristic / Neural Network / SVM (Support Vector Machine) Approach

### MIPS CPU Design | Computer Architecture | 2017.10 ~ 2017.12

- Make Pipelined MIPS CPU using Verilog HDL

### Simple Calculator Web App | Python | 2017.06

- Graphically Show Result of Calculation using Python

### Red-Black Tree | Data Structure | 2017.06

- Implement all Red-Black Tree Structure and some Functions using Python