

JAESEOK HUH

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EDUCATION

Mar 2019 – Feb 2021 (*expected*)

M.S. in Computer Science, KAIST, Daejeon, South Korea

Advisor: Sue Moon

Mar 2015 – Feb 2019

B.S. in Computer Science, Hanyang University, Seoul, South Korea

GPA 4.05 / 4.5 (Summa Cum Laude)

Mar 2012 – Feb 2015

Department of Hacking Defense, Korea Digital Media High school

Studied several programming languages, network, linux, information security, etc.

Achieved several 1st place awards in math and science contests / 2.5 years experience of treasury secretary

WORKING EXPERIENCE

Jan 2018 – Nov 2018

Research Intern in Computer Vision Lab, Hanyang Univ.

Research Topic: depth-map estimation, segmentation and multi-object tracking

Dec 2016 – Feb 2017

Research Assistant in NLP Research Team, NCSoft Inc.

Designed and maintained the overall structure of an AngularJS-based web application (full-stack)

Developed multiuser-chatting application (using MQTT) to collect and pre-process user data for NLP models

Visualized the output of the NLP models on web (using D3.js)

Aug 2015 – Aug 2015

Student Intern in Python Backend Team, Beatpacking Inc.

Fixed transactional/asynchronous dependencies between unit-tests and randomness issues (using PyTest)

Developed Customer & Sales Management System (using Flask and SQLAlchemy)

AWARDS & HONORS

Nov 2018

ACM-ICPC Asia Seoul Regional 21st place

2015 - 2019

CK-II Scholarship

2015 - 2017

NAVER Scholarship

Nov 2016

ACM-ICPC Asia Daejeon Regional 24th place

Dec 2015

Achievement Award by the Dean

Nov 2015

ACM-ICPC Asia Daejeon Regional 16th place

PROJECTS

Nov 2017 – Dec 2017

A Scalable Lock Manager of MariaDB

Lock-free implementation of Reader-Writer lock table exploiting *bit-stealing* to resolve performance collapse on many-core machine in MariaDB, supporting bulk lock allocation/deallocation ([Reference Paper](#))

May 2017 – Jul 2017

JV6 (Improved Version of XV6 from MIT)

Implemented wait-free *MLFQ* & *Stride* scheduling with *multi-threading* support and scalable file system with logging (11.4 x) ([Source](#))

Nov 2016 – Dec 2016

A Car Classifier for CCTV

By signal-processing on the grille of cars, it classifies the type of the cars with an accuracy of 85% (using OpenCV) ([Source](#))

Aug 2013 – Dec 2013

A Process of Delivery Using QR Code for Privacy Information Protection

supported by Ministry of Science, ICT and Future Planning

Designed the encryption-key distribution system for secure delivery

Developed Android application for delivery officer, C# and Java application to generate QR Code, using a cipher module released by Korean government

ACTIVITIES

Nov 2015 – Dec 2017

Academic Director of ALOHA (Algorithm research club @ Hanyang)

Prepared the problems, test data, and scalable judging system(AWS, Domjudge) of internal contests

Taught the weekly classes about algorithms and problem solving

Director of the contest committee of KSH(Korea, Sookmyeong, and Hanyang Univ.) Coding Camp 2017

Mar 2017 – Dec 2017

Tutor in Engineering College

Calculus (x2), Numerical Analysis with foreign students

Mar 2016 – Dec 2016

Tutor in Department of Computer Science and Engineering

Calculus, Discrete Mathematics

Oct - Dec of 2015, 2016, and 2018

Committee Member of Hanyang Univ. Programming Contest

Prepared and reviewed problems and dataset, and operated scalable judging system(AWS, Domjudge) in the ACM-ICPC-based contests of 400 collegiate competitors

Jul 2013 – Dec 2013

BoB(Best of the Best), National White Hacker Training Program

A full-time training for 2 months / a team project, “A Process of Delivery Using QR code for Privacy Information Protection”, for 4 months

COURSES (Online)

- CS231n: CNN for Visual Recognition, Stanford
- CS229: Machine Learning, Stanford
- CS224n: NLP with Deep Learning, Stanford
- CS492C: Introduction To Research, KAIST

SKILLS

- C, C++
- Python (Tensorflow, PyTorch, OpenCV, Flask, PyTest)
- Javascript(Angular, D3), HTML, CSS(Less.js), PHP
- Github, Confluence, Markdown, Trello
- Java, Android, Haskell, Unity, C#
- MariaDB, SQLAlchemy

VOLUNTEER

Jun 2018 - Present

Child-Fund Korea

Supporting international programs, i.e. cultural exchange for orphanage and academic conferences for children's welfare, as a bilingual volunteer

Mar 2016 – Dec 2016 (36 hours certified)

Ten-spoon

By working in a college cafeteria, donated meal coupons for low-income group students and delivered side-dish to solitary seniors

Jul 2015 – Aug 2015 (90 hours certified)

Resident Assistant in Hanyang Int'l Summer School

Served in official cultural exchange programs and provided translation service for residential convenience of foreign exchange students