



OH JI MIN

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Objective

Interested in developing new and innovative software and dealing with big data. Planning to experience practical skills in global fields.

Challenging, Passionate, quick learner, hard-worker, and Ability to assume responsibility, analytical thinking in problem solving. Be used to reading open source.

Education

March.2015 **Sogang University**

Seoul, South Korea

– present *Senior Year of College*

Bachelor of Computer Science and Engineering

Expected Graduation [Feb.2020]

- **Related Courses :**

Data Structure, System Programming, C programming, Operating System, Automata Theory, Database System, Software Engineering, Programming Languages, Design and Analysis of Algorithms, Computer Organization and Logic, Fundamental Artificial Intelligence, Java Language, Capstone Design I

- **University Activities**

- * Executive member of a studying club(programming study, lab management)
- * Executive member of department of *Computer Science and Engineering*
- * Mentor of *Data Structure in C* class and Python class

Work Experience

July.2018 - **MODU Company**

Seoul, South Korea

Aug.2018 *Internship [Development department, Fulltime]*

- * team leader of 'Data Analysis Platform project' team with 1 member.
- * Make platform for analyzing customer data in real time
- * Use AWS products (API Gateway, Lambda, Kinesis Firehose, Athena(+Glue) and S3)
- * Use tableau for visualization of customer patterns, trends

Sep.2018 - Dec.2018	SYSMETIC Company <i>Internship [Development department, Fulltime]</i> * Only team leader and me in Development department * provide aid to help team leader develop the whole service * Data management using mysql * Make API for getting data from database(node.js), API for web service(Django) * Make web page introducing MOYA app using Django (app.moya.ai) * Backend for a service that providing recent information using python, node.js * Frontend for web service using pug(template engine), javascript * Crawling website using python(selenium)	Seoul, South Korea
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Project

March.2019 - March.2019	Getting Temperature Data in real time <i>[Personal Project]</i> * used temperature sensor and Arduino * collect data to DB in AWS EC2 instance every minute * using modules in node.js, create tables in DB and insert or get data. * by implementing web server, visualize in graph in my website.	Seoul, South Korea
July.2018 - Sep.2018	Data Analysis Project <i>[Naver Data Science Competition 2018, Team Project, 3 members]</i> * For pre-test, analyzed mushroom data from Kaggle to figure out edibility by features of mushrooms * Analyzed medical treatment data to find out insights using our creativity.(It was the subject of this competition) * Attended a lecture about understanding Machine Learning and how to deal with data to be well utilized or analyzed * Used Python, R	Chuncheon, South Korea
May.2018 - May.2018	Crawling program <i>[Personal Project]</i> * private project to get recent job information from school. * When new notices are registered on school web page, I can receive message using 'pushbullet application'. * The program run once in a day. I used Python packages to make this program.	Seoul, South Korea
Nov.2017 - Nov.2017	Accelerating calculation using CUDA C <i>[Personal Project]</i> * implemented the parallel processing by GPU to accelerate matrix calculation processes * measure and compare each speed of methods storing data. By modifying algorithms and changing the way to access memory, found the optimal method for the parallel processing.	Seoul, South Korea
Sep.2017 - Nov.2017	Pintos Project <i>[Team Project, 2 members]</i> * Pintos is Operating System for education. * For understanding the Operating System * manage the projects by using Github * implemented the works related to Threads, User Program, Synchronization, and Virtual Memory using C	Seoul, South Korea

- May.2017 - **N-gram Language Model with AWS, Hadoop and Machine Learning** **Seoul, South Korea**
 June.2017
[Personal Project]
 * Implement web crawler on AWS EC2 instance
 * After getting data, store it at S3 and store the result from learning bi-gram using MapReduce system on EMR
 * Mapper and Reducer are implemented using python
 * Using Azure Machine Learning studio, test prediction model
- March.2017 - **Making Virtual SIC/XE Machine** **Seoul, South Korea**
 May.2017
[Personal Project]
 * Implemented function which is similar to shell of Linux in C
 * Implemented Assembler to generate 'obj file' from 'asm file'.
 * developed Linker and Loader to load the 'obj file' to memory
 * Implemented running and debugging function about some assembly instructions
- March.2017 - **Controlling Robot escaping maze using Android phone controller** **Seoul, South Korea**
 June.2017
[Team Project, 6 members]
 * control ev3 robot to escape maze.
 * The robot escaping maze by finding road and rotating when it encounters color walls. The user can control robot using android application.
 * Our team was divided to 2 parts - making robot to escape maze, Connecting robot and app to be able to control the robot. I was in second part.
 * managed this project using Git, Github

Activities

- July.2017 - **IT volunteer work in lao** **Vientiane, Lao PDR**
 Aug.2017
 * Teaching making video with movie maker and making app with app inventor to high school students and officials of E-government of laos
- Feb.2019 - **Study group for articles related to IT** **Seoul, South Korea**
 Feb.2019
 * from WIRED and Economist, select articles related to IT and have a discussion in English

Technical Skills

Programming Languages : C(Expert), Python(High), C++(Intermediate), node.js(Intermediate), Javascript(Basic), Java(Basic)

Operating Systems : Linux(Skilled), Terminal(Skilled)

Language skill : Korean(Native), English(Reading/Listening : Fluent, Speaking : Intermediate)

Interests : Playing Sudoku game or puzzles, singing, going bowling