Youngsoo Lee

Graduate Student, Software Engineer
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EDUCATION

Sep 2019 ~Aug 2021 *(expected)*	**Korea Advanced Institute of Science and Technology (KAIST)** Daejeon, Korea • M.S. Student, School of Computing • *Advisor: Sunghee Choi* • *GPA: 4.0 / 4.3*
Mar 2015 ~Aug 2019	**Hanyang University** Seoul, Korea • B.S. in Computer Science • *GPA: 3.97 / 4.5*
Mar 2012 ~Feb 2015	**Korea Digital Media High School** Ansan, Korea • Major in Web Programming

SOFTWARE DEVELOPMENT SKILLS

Backend	Python, NodeJS, PHP, and AWS (EC2, S3, Lambda, Athena, etc)
Web Frontend	TypeScript, ReactJS, and AngularJS
DevOps	Unit Tests, TDD, Docker, Jenkins, and Lint
Database	MySQL, DynamoDB, CouchDB, and Redis
Others	Little experience in Go, Java, and C++

WORK EXPERIENCE

Jul 2020 ~ Present	**NAVER Corp, Clova AI Research,** *Software Engineering Intern* Seongnam, Korea
Feb 2019 ~ Jul 2019 (6 months)	**JENNIFERSOFT,** *Software Engineering Intern* Paju, Korea • Developed a performance monitoring solution for frontend developers. (https://front.jennifersoft.com/about) • Contributed in the frontend part of the product using ReactJS and TypeScript, and led some side projects including component separation using Storybook and automated simulations for demo using Docker and Selenium.
Jul 2018 ~ Aug 2018 (2 months)	**Ratchet Cloud,** *Software Engineering Intern* Vancouver, Canada • Designed and developed a game forum system as an open-source project with Express and ReactJS along with the test codes (88% coverage on the backend part). (http://github.com/h8tch-innovations/powerforums)

OTHER EXPEIENCE AND ACTIVITIES

Jul 2016
~ Oct 2017
(1y 4 months)

SW Maestro Program Mentee
Seoul, Korea
- A program operated by Korean government to promote the best software engineers and entrepreneurs.
- Awarded as top 8 teams among 33 teams **[a.2]**, presented at the "100+ Conference" hosted by the Ministry of Science and ICT, and signed MOU with 3 companies based on the technologies.

Mar 2015
~ Jun 2016
(1y 4 months)

ALOHA - Algorithm Research Club at Hanyang University
Seoul, Korea
- Carried out advanced studies of algorithms and challenged to various algorithm competitions. **[a.1][a.4]**

PROJECTS

Feb 2012
~ Present

Color Scripter
https://colorscripter.com
- Online code syntax highlighting service that helps developers upload their code to blogs or websites with high readability.
- 10k+ visitors per month, 500+ plugins made by users, 130+ sponsors supporting this service.
- Implemented with Python, JavaScript, and MySQL along with the test codes (72% coverage on the backend part).
- *Contribution: 100%*

Mar 2018
~ Oct 2018

K-React: Korea's trend topic and reaction analysis service
https://github.com/Prev/kreact
- Public opinion analysis service that can identify whether the policies or marketing plans are going in the right direction by visualizing public opinion in the real time.
- Implemented with Python, AngularJS, and Redis along with the NLP and text mining techniques.
- Graduation project at Hanyang University with one other team member **[a.5]**.
- Contribution: *60%*

Jan 2017
~ Oct 2017

Memento
https://get.prev.kr/memento_presentation.pdf (19MB)
- A project from SW Maestro Program, which collects data scattered on the Internet, and analyzes to the meaningful information through artificial intelligence technology to tell the life of the famous people.
- Participated as a team leader with 2 other mentees and a mentor.
- Developed the frontend part and designed a scalable architecture of backend view part on the project.
- *Contribution: 33%*

Jan 2013 ~ Nov 2013	**High School Intranet System Development Project**

High School Intranet System Development Project
https://github.com/Prev/intranet

- Developed an intranet system used in the high school autonomously by students ourselves.
- Designed full system with MVC pattern and modularization, implementing with PHP, JavaScript, and MySQL.
- Participated as a technical lead with ten other student developers.
- *Contribution: <20%*

PUBLICATIONS

[p.1]   **Youngsoo Lee** and Sunghee Choi, "Progressive Compression of Neural Networks using Quantization / 양자화를 이용한 뉴럴 네트워크의 점진적 압축", Korea Computer Congress (KCC) 2020

AWARDS

[a.5]	1st place in Graduation Project Exhibition at Hanyang Univ. Department of Computer Science	Nov 2018
[a.4]	5th place in 5th Algorithm Competition's advanced division at Hanyang Univ.	Nov 2018
[a.3]	Award for excellent records(supported by AhnLab) in 8th TOPCIT	Dec 2017
[a.2]	Selected as an one of the top teams from 7th SW Maestro Program (30,000,000₩ reward per team)	Oct 2017
[a.1]	1st place in 2nd Algorithm Competition's beginner division at Hanyang Univ.	Nov 2015

PRESS

News H (Hanyang University), Student Interview
Color Scripter, an Individual Project Created by a Middle Schooler (English article) | 27 May, 2019
http://www.hanyang.ac.kr/surl/YF25

Last update: July 7, 2020