

DaeIn Lee

Programmer



SUMMARY

Hello, I'm DaeIn Lee from Samsung Research.
I like to solve brain teasing problems in the field of CSE.
I'd like to describe myself as a fast learner;
I am confident that I can satisfy expectations of coworkers.

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🏠: <https://lazyren.github.io/>

🌐: [LazyRen](#)

in: [DaeIn Lee](#)

Experience



Feb 2020 – present

SW Engineer at [Samsung Research](#)

SUMMARY

Samsung Research is the advanced research and development (R&D) hub of Samsung Electronics.

The hub leads the development of the future technologies with more than 10,000 researchers and developers working in overseas R&D centers.

- Software Capacity Building T/F

Jun 2019 – Aug 2019

Intern at [Samsung Research](#)

- Software engineering internship at Smart Device team.
- 8 week internship to develop smart switch circuit PMU firmware with the purpose of increasing power efficiency.

Jan 2019 – Feb 2019

Intern at [LG CNS](#)

- Software Engineering Internship at Development Platform team.
- 6 week internship to develop new Enterprise Application Platform pages.
- Gained better understanding of overall web development.

Jul 2018 – Aug 2018

Intern at [Fortify Inc.](#)

- Building responsive homepage for 'fortify.pro'.
- Backend/frontend development and service usage analysis using mongoDB for Gaia Landscape Inc.

Awards



Hanyang Academic Achievement Award from Hanyang Univ.

- 2018, 2nd semester
- 2017, 2nd semester(Highest Honor)

Hanyang Brain Scholarship from Hanyang Univ.

- 2019, 1st semester
- 2018, 1st/2nd semester
- 2017, 2nd semester

Nov 2018

Win 2nd place in advanced group from Hanyang Collegiate Programming Contest 2018

Dec 2017

Win 4th place in advanced group from Hanyang Collegiate Programming Contest 2017

Sep 2017

Advanced to final competition from Kakao Code Festival 2017

Education



Mar 2014 – Feb 2020

Bachelor in Computer Science & Engineering from Hanyang University, Seoul with GPA of 4.0 (major 4.28) / 4.5

- Concurrent Programming
- Data Science
- Operating Systems
- Computer Architecture
- Database Systems
- System Programming

Nov 2019

Engineer Information Processing (정보처리기사)

Projects



Bw-Tree Performance Boosting : Aug 2018 – Oct 2019

SUMMARY

Evaluating cache / multi thread Performance of Open Bw-Tree to find bottleneck and improvement performance.

- Implementing update function based on the page.
- Make update function atomic & reduce call of traverse function.
- Design TaS implemented Bw-Tree instead of CaS to reduce the overhead of failed CaS operations.

Wait-free Snapshot with Epoch Based Garbage Collection : Oct 2019 – Oct 2019

SUMMARY

Concurrent Programming Course

- Implementing Wait-free Snapshot based on the textbook 'The Art of Multiprocessor Programming'
- Concurrent update & scan function implemented
- Implement epoch based garbage collection to prevent memory leak & concurrent GC.

Enhanced xv6 : Mar 2018 – Jun 2018

SUMMARY

Operating System Course

- Implement MLFQ & Stride scheduling instead of round robin scheduling.
- Implement Light Weight Process that can be used with most of POSIX-thread functions.
- Implement 'triple indirect block addressing' to support large file upto 1030 MB original limitation was 70 KB.

Volunteer



Mar 2018 – Dec 2018

Mentor at Hanyang Mentoring Program

SUMMARY

Mentoring for the major courses of CSE with juniors

- Data Structure; Teaching & helping sophomores on the data structure course.
- Database Systems; Teaching & helping sophomores on the database system course.
- Awarded 'Hanyang Best Mentor' for mentoring Database Systems course.

Mar 2014 – Dec 2014

Mentor at Hanmille, Foreigner Mentoring Program

SUMMARY

Mentoring & helping foreign students to easily adjust to Korea.

Languages



Korean :

★★★★

English :

★★★★

Skills



Kernel Development :

★★★☆☆

Concurrent Programming

Operating System

C/C++

Algorithm :

★★★☆☆

Web Development :

★★★☆☆

HTML

CSS

Javascript

Sociability :

★★★★

Leadership

Affable

Interests



Activity :

Tennis

Snowboarding

Cycling

Reading :

J. R. R. Tolkien

이영도

전민희

Gaming :

Steam

Company of Heroes 2

Blade & Soul