

# GyuHwa Lee

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## EDUCATION

Mar.2014 - Feb.2020

### Chung-Ang University

- Bachelor of Science in Chemical Engineering and Materials Science
- Total GPA of 3.89 / 4.5 (93.9 / 100)

Jun.2023 - Present

### National Institute for Lifelong Education

Expected graduation : Aug. 2024

- Bachelor of Science in Computer Science and Engineering
- Total GPA of 4.5 / 4.5 (97.67 / 100)

## WORK EXPERIENCE

Feb.2021 - Present

### Samsung Electronics

Logic/SRAM Process Architecture Engineer

- Visualize and analyze Logic/SRAM fab data using Spotfire and Python
- Verification of semiconductor process defects using machine learning
- Process design to secure device performance, quality and mass production
- Optimal SRAM layout and mask design for each product process based on circuit design
- Research on Logic/SRAM device characteristic and reliability improvement

## RESEARCH EXPERIENCE

Jun.2018 - Sep.2018

### Process Systems & Safety Engineering Laboratory, Chung-Ang University

Project Member (Adviser : Professor Chul-Jin Lee)

- Participated in Korea Process Simulation Olympiad 2018
- Submitted the final report which contains simulation validation report with schematic drawing and material balance, equipment list and economic analysis

## SKILLS & TECHNIQUES

Programming

Python, C, JAVA,

Data Analysis

Spotfire, Tableau, SQL, Matlab, Mathcad

Simulation

PSPICE, ASPEN HYSIS

EDA

Mentor Calibre

## AWARDS & HONORS

2023	Semester High Honors, Institute for Lifelong Education
2020	Graduation with Honors, Chung-Ang University
2018	2nd Prize in Business Proposal Project, Lotte Chemical
2017	Volunteer Scholarship (Student Representative), Chung-Ang University
2014 - 2019	Academic Excellence Scholarship, Yudang Scholarship Foundation

## EXTRACURRICULAR ACTIVITY

Apr.2023 - Jul.2023	<b>Samsung Electronics HR Assistant</b> <ul style="list-style-type: none"><li>• Worked as TF organized to reform Samsung Electronics new personnel system</li><li>• Proposed a system for the growth and education of Samsung Electronics employees</li><li>• Established a diverse feedback system through the introduction of peer review</li></ul>
The 2nd Sem.2017	<b>Student Representative of the Department of Chemical Engineering</b> <ul style="list-style-type: none"><li>• Revised school regulations after receiving the opinions of students</li><li>• Helped exchange students adjust to their studies and campus life</li><li>• Organized and participated in various activities and events held in the department</li></ul>

## LANGUAGE PROFICIENCY

Mar. 2024	New TEPS : 336(Level 2)
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## CERTIFICATIONS

Apr. 2024	Engineer Information Processing
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