Yubin **Lee**

E3-5 #409, 291, Daehak-ro, Yuseong-gu, Daejeon, 34141, Republic of Korea

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Research Interests

- Robotics Acceleration
- Acceleration of Workloads on Edge Devices

Education

KAIST(Korea Advanced Institute of Science and Technology)   *Daejeon, S.Korea*
M.S. IN ELECTRICAL ENGINEERING   *Mar. 2024 - Current*
- Advisor: Jongse Park

KAIST(Korea Advanced Institute of Science and Technology)   *Daejeon, S.Korea*
B.S. IN COMPUTER SCIENCE & MINOR IN ELECTRICAL ENGINEERING   *Sep. 2019 - Feb. 2024*
- Cum Laude (3.83/4.3)
- Dean's List, Fall 2020
- Dean's List, Fall 2019

Experiences

CASYS Lab, KAIST   *Daejeon, S.Korea*
UNDERGRADUATE STUDENT INTERN   *Dec 2022 - Feb 2024*

CASYS Lab, KAIST   *Daejeon, S.Korea*
UNDERGRADUATE STUDENT INTERN   *Dec 2021 - Feb 2022*

Honors & Awards

Feb 12, 2025	**Gold Prize**, Samsung Humantech Paper Awards, Computer Science & Engineering Section	
Jul 2024 - Jun 2025	**Research Encouragement Grant for Master's Students**, National Research Foundation of Korea	
Jul 2024	**Distinguished Artifact Award**, ACM SIGARCH - IEEE CS TCCA	*ISCA 2024*
Mar 2022 - Aug 2023	**National Science & Technology Scholarship**, Ministry of Science and ICT	
Feb 16, 2021	**Dean's List**, KAIST College of Engineering	*Fall 2020*
Mar 19, 2020	**Dean's List**, KAIST School of Freshman	*Fall 2019*
Jun 27, 2019	**Principal's Award**, Lebanon Evangelical School for Boys and Girls	
Jun 2017	**Outstanding Pearson Learner Award**, International GCSE Highest Mark in Lebanon: Physics, Chemistry, Biology, History	

Publications

Pimba: A Processing-in-Memory Acceleration for Post-Transformer Large Language Model Serving   *MICRO 2025*

WONUNG KIM, **YUBIN LEE**, YOONSUNG KIM, JINWOO HWANG, SEONGRYONG OH, JIYONG JUNG, AZIZ HUSEYNOV, WOONG GYU PARK, CHANG HYUN PARK, DIVYA MAHAJAN, JONGSE PARK

DaCapo: Accelerating Continuous Learning in Autonomous Systems for Video Analytics   *ISCA 2024*

YOONSUNG KIM, CHANGHUN OH, JINWOO HWANG, WONUNG KIM, SEONGRYONG OH, **YUBIN LEE**, HARDIK SHARMA, AMIR YAZDANBAKHSH, JONGSE PARK

Teaching Experiences

EE209 Programming Structures for Electrical Engineering   *Jaemin Yoo*

Teaching Assistant   *Spring 2025*

CS230 System Programming   *Jongse Park*

Teaching Assistant   *Fall 2024*

CS311 Computer Organization   *Jongse Park*

Teaching Assistant   *Spring 2024*

CS101 Introduction to Programming

Freshman Tutor   *Fall 2022*

CS101 Introduction to Programming

Freshman Tutor   *Spring 2022*

CS101 Introduction to Programming

Freshman Tutor   *Fall 2021*

CS101 Introduction to Programming

Freshman Tutor   *Spring 2021*

CS101 Introduction to Programming

Freshman Tutor   *Fall 2020*