

# Yubin Lee

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## Research Interests

- Robotics Acceleration
- Acceleration of Workloads on Edge Devices

## Education

### KAIST(Korea Advanced Institute of Science and Technology)

M.S. IN ELECTRICAL ENGINEERING

- Advisor: Jongse Park

*Daejeon, S.Korea*

*Mar. 2024 - Current*

### KAIST(Korea Advanced Institute of Science and Technology)

B.S. IN COMPUTER SCIENCE & MINOR IN ELECTRICAL ENGINEERING

- Cum Laude (3.83/4.3)
- Dean's List, Fall 2020
- Dean's List, Fall 2019

*Daejeon, S.Korea*

*Sep. 2019 - Feb. 2024*

## Experiences

### CASYS Lab, KAIST

UNDERGRADUATE STUDENT INTERN

*Daejeon, S.Korea*

*Dec 2022 - Feb 2024*

### CASYS Lab, KAIST

UNDERGRADUATE STUDENT INTERN

*Daejeon, S.Korea*

*Dec 2021 - Feb 2022*

## Honors & Awards

Feb 12, 2025	<b>Gold Prize</b> , Samsung Humantech Paper Awards, Computer Science & Engineering Section	
Jul 2024 - Jun 2025	<b>Research Encouragement Grant for Master's Students</b> , National Research Foundation of Korea	
Mar 2022 - Aug 2023	<b>National Science &amp; Technology Scholarship</b> , Ministry of Science and ICT	
Feb 16, 2021	<b>Dean's List</b> , KAIST College of Engineering	<i>Fall 2020</i>
Mar 19, 2020	<b>Dean's List</b> , KAIST School of Freshman	<i>Fall 2019</i>
Jun 27, 2019	<b>Principal's Award</b> , Lebanon Evangelical School for Boys and Girls	
Jun 2017	<b>Outstanding Pearson Learner Award</b> , 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

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### **EE209 Programming Structures for Electrical Engineering**

TEACHING ASSISTANT

*Jaemin Yoo*

*Spring 2025*

### **CS230 System Programming**

TEACHING ASSISTANT

*Jongse Park*

*Fall 2024*

### **CS311 Computer Organization**

TEACHING ASSISTANT

*Jongse Park*

*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*