

# Min Jeong Park

Student Researcher at Korea Institute of Science Technology

Graduate Student at Yonsei University

mjminjeongpark@gmail.com · <https://github.com/MINDYEOI>

## EDUCATION

<b>Yonsei University</b> MASTER CANDIDATE IN ELECTRICAL ELECTRONICS	Seoul, Korea SEP. 2022 – PRESENT
<b>Kyung Hee University</b> BACHELOR IN COMPUTER SCIENCE	Seoul, Korea MAR. 2020 - AUG. 2022

## RESEARCH INTERESTS

Person Re-identification Domain Generalization	Pedestrian attribute recognition Self-Supervised Learning	Semi-Supervised Learning
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## RESEARCH EXPERIENCE

<b>Center for Artificial Intelligence at Korea Institute of Science and Technology (KIST)</b> STUDENT RESEARCHER	SEP. 2022 – PRESENT
<b>Image and Video Pattern Recognition Lab at Yonsei University</b> GRADUATE STUDENT	SEP. 2022 – PRESENT
<b>AI Traffic Solution Team at Laon People Inc.</b> (Global ICT Internship Program) INTERN	JUL. 2021 - AUG. 2021
<b>Visual Media Lab at Kyung Hee University</b> INTERN	MAR. 2021 - AUG. 2022

## PROJECT EXPERIENCE

<b>AIID: Advanced Integrated Intelligence for Optimal Identification and Inference under Spatio-Temporal-View Changes</b> KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY (KIST), YONSEI UNIVERSITY, SQISoft Researcher	SEP. 2022 – PRESENT
<ul style="list-style-type: none"><li>Apply domain generalization and deep learning algorithms such as self-supervised learning for real-world scenarios of person re-identification and pedestrian attribute recognition.</li></ul>	
<b>Neural network-based video coding (NNVC) for hyper-realistic tera-media</b> KYUNG HEE UNIVERSITY, INSTITUTE FOR INFORMATION & COMMUNICATION TECHNOLOGY PLANNING & EVALUATION (IITP) Researcher	MAR. 2022 – AUG. 2022
<ul style="list-style-type: none"><li>Adopt deep learning-based image encoder methods to the video encoder and optimize our model based on applying various loss functions, e.g., MSE, MS-SSIM, and fine-tuning its parameters.</li></ul>	
<b>Neural image compression with block-based adaptive resizing</b> KYUNG HEE UNIVERSITY, ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE (ETRI) Project Manager, Researcher	SEP. 2021 – JUN. 2022
<ul style="list-style-type: none"><li>To solve the performance degradation problem in neural image compression, consider compensating for scant information using hierarchical image block features.</li></ul>	
<b>28<sup>th</sup> SOPT Hackathon</b> INTERCOLLEGIATE IT VENTURE CLUB BE SOPT iOS Developer	MAR. 2021 – JUL. 2021
<ul style="list-style-type: none"><li>Develop the diary app's various features such as register, in-app purchase, and advertisement space, etc.</li></ul>	

**KHU SW GURU Algorithm Group**  
**NATIONAL CENTER OF EXCELLENCE IN SW, KYUNG HEE UNIVERSITY**  
Member

**SEP. 2020 – JUN. 2021**

- Solve various algorithm problems and prepare for algorithm competition.

**Carpool Service: UU**

**DEC. 2020 – FEB. 2021**

**SILICON VALLEY SOFTWARE INNOVATION & TECHNOLOGY CENTER AT SAN JOSE STATE UNIVERSITY**  
Project manager, iOS/Android Developer, Designer

- Plan for the project, specify the app features, and design and develop the iOS/Android app.

**PUBLICATION**

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**Neural Image Compression using Block-based Adaptive Resizing**

**MIN JEONG PARK, YEONGWOONG KIM, DONGHYUN KIM, SUNG CHANG LIM, HUI YONG KIM**

The Korean Institute of Broadcast and Media Engineers Summer Conference, 2022

**PATENT**

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**Image Coding Methods and Apparatuses using Block-based Adaptive Resizing and Subsampling**

**JUN. 2022**

10-2022-007038

PATENT APPLICATION, KOREA

**AWARD & SCHOLARSHIP**

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**Yonsei-KIST Scholarship (Tuition Exemption)**

**SEP. 2022 – PRESENT**

**YONSEI UNIVERSITY, KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY (KIST)**

Scholarship

**YGF (Yonsei Graduate Fellowship) Scholarship**

**SEP. 2022, MAR. 2023**

**YONSEI UNIVERSITY**

Scholarship

**Cooperation Scholarship**

**FEB. 2022**

**KYUNG HEE UNIVERSITY**

Scholarship

**National Center of Excellence in SW Scholarship (Excellence)**

**JAN. 2022, DEC. 2020**

**KYUNG HEE UNIVERSITY**

Scholarship

**Entrepreneurship Award 3rd Prize**

**FEB. 2021**

**2021 WINTER SV SOFTWARE TECHNOLOGY AND INNOVATION PROGRAM,**

**SILICON VALLEY SOFTWARE INNOVATION & TECHNOLOGY CENTER, SAN JOSE STATE UNIVERSITY**

Award

**National Center of Excellence in SW Scholarship (Empowerment)**

**DEC. 2020, FEB. 2021**

**KYUNG HEE UNIVERSITY**

Scholarship

**ACTIVITIES**

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**Promotional ambassador,** Office of University Relations, Kyung Hee University

**MAR. 2021 – FEB. 2022**

**Board Member,** Computer Science Club 'D.com', Kyung Hee University

**MAR. 2021 – FEB. 2022**

**Designer,** YouTube Channel 'KHU Tube'

**JUN. 2020 – DEC. 2020**

**Board Member,** Computer Science Student Council, Kyung Hee University

**MAR. 2020 – DEC. 2021**