

## EDUCATION

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**Korea University** Seoul, South Korea  
*B.S. Computer Science and Engineering* 03/2022 - 08/2023  
- Overall GPA : 4.33 / 4.5 (98.1 / 100)

**Korea University** Seoul, South Korea  
*B.Eng. Software Technology and Enterprise Program* 03/2015 - 02/2022  
- Major GPA : 4.15 / 4.5 (96.0 / 100)  
- Military service, 09 2016 - 06 2018

**Korea University** Seoul, South Korea  
*B.Eng. Chemical and Biological Engineering* 03/2015 - 02/2022

## WORK AND RESEARCH EXPERIENCE

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**Electronics & Telecommunications Research Institute (ETRI)** Daejeon, South Korea  
*Research Intern @Visual Intelligence Research Section* 07-08/2021, 01-02/2022, 07-08/2022

- Participated in the DeepView Project, devise the new network called RDID-GAN to reconstruct de-identified image dataset using attention. Increased bbox and keypoint detection rate.
- Participated in the CAML Project, proposed the novel encoder to reconstruct 3D portrait images from 2D image dataset.

**Computer Vision Laboratory, Korea University** Seoul, South Korea  
*Research Intern* 09/2020 - 06/2021

- **Depth estimation:** Implement monocular depth estimation model using U-net architecture combined with depth network and pose network
- **3D reconstruction:** Reconstruct 2D image to 3D image using a transformer and SMPL

## CONFERENCE & JOURNAL PUBLICATIONS

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### Conference publications

- Youngjoo Jo, **Wonseok Oh**, Jaegul Choo. 2023. Encoding 2D to 3D: EG3D Encoder for portrait image *IEEE Winter Conference on Applications of Computer Vision 2023 (WACV 2023)* (under review)
- **Wonseok Oh**, Kangmin Bae, Yuseok Bae. 2021. Visualization Comparison of GAN for Reconstructing De-identified Image Dataset using Attention. *Journal of Korean Institute of Information Scientists and Engineers 2021 (JOK 2021)* (domestic)

### Journal publications

- **Wonseok Oh**, Kangmin Bae, Yuseok Bae. 2021. RDID-GAN: Reconstructing a De-identified Image Dataset to Generate Effective Learning Data. *Korea Software Congress 2021 (KSC 2021)* (domestic)

## AWARDS AND SCHOLARSHIPS

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**Semester High Honors**  
*Korea University* 2022

**Excellence award\_Personal Assistance service**  
*Korea University* 2022

**Nation Work Scholarships(Government)**  
*Korea University* 2022

**Special Scholarship**  
*Korea University* 2019, 2021, 2022

**Work-Study Scholarship**  
*Korea University* 2019

## SKILLS

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**Languages:** English, Korean

**Programming languages:** Python, C/C++, Matlab

**Documentation:** Markdown,  $\text{\LaTeX}$

**ML Tools:** Pytorch, Tensorflow, Keras

## EXTRACURRICULAR ACTIVITIES

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### Korea University Computer Club

Seoul, South Korea

*Leader*

*Aug/2019 – present*

- Make a club network and Make a website club website to operate the schedule of various sessions
- Open algorithm session for club members to develop the ability to implement data structures and coding ability

### Korea University Innovation Center for Engineering Education

Seoul, South Korea

*Regular Member*

*Sep/2020 – Feb/2022*

- Organize a program for teenagers who are interested in scientific experiments
- Explain and help teenagers with the scientific facts and methods of the experiments

### Korea University Language Exchange Division

Seoul, South Korea

*Leader*

*Mar/2019 – Feb/2020*

- Managed the various language clubs in Korea University merge and organized a language exchange program once a week
- Made the Korean reading class for foreign students who wants to understand Korean movies and K-pop

## REFERENCES

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- **Seungryong Kim**

*assistant professor*

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*Korea University*

- **Seongbin Park**

*professor*

Email : [hyperspace@korea.ac.kr](mailto:hyperspace@korea.ac.kr)

*Korea University*

- **Kimin Yun**

*Senior Researcher*

Email : [kimin.yun@etri.re.kr](mailto:kimin.yun@etri.re.kr)

*ETRI*