

## EDUCATION

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### Chung-Ang University

*B.S. in Computer Science and Engineering*

- Advisor: Prof. Junseok Kwon
- GPA: 4.36/4.5 (Major: 4.5/4.5)

Seoul, Korea

2019.03 - 2025.02(*expected*)

## PUBLICATION

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### Conference Papers

- T. Dobricki, **Y. Oh**, H. Ko, T. Kim, D. Kim, B. Hong, "Incremental Learning for Optical Flow", *ICTC 2022 IEEE, Jeju, Korea*
- T. Dobricki, **Y. Oh**, H. Ko, T. Kim, D. Kim, B. Hong, "Comparison of optical flow image preprocessing options for state of the art deep learning models", *ICTC 2022 IEEE, Jeju, Korea*
- T. Lee, **Y. O.**, J. Choe, K. Yoon, "The System for Recommending Paintings depend on User's Emotion", *ICICT 2020, Jeju, Korea*

## RESEARCH EXPERIENCE

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### Visual AI Lab @ KAIST

*Research Intern – Advisor: Prof. Minhyuk Sung*

- **Panorama Generation:** Researched HDR Panorama Generation via Diffusion prior.

Daejeon, Korea

2024.01 - 2024.02

### Computer Vision and Augmented Reality Lab @ Chung-Ang Univ.

*Research Intern – Advisor: Prof. Hyun-Ki Hong*

- **Signal Processing:** Researched EEG signal for identification.
- **Image decomposition:** Researched outdoor illumination estimation using intrinsic decomposition.

Seoul, Korea

2022.09 - 2023.09

### Image Lab @ Chung-Ang Univ.

*Research Intern – Advisor: Prof. Byung-Woo Hong*

- **Optical Flow:** Researched comparison of optical flow experiment based image preprocess.
- **SfM:** Researched Segmentation and SfM

Seoul, Korea

2022.05 - 2022.08

### Computer Graphics Lab @ Chung-Ang Univ.

*Research Intern – Advisor: Prof. Kyunghyun Yoon & Prof. Sanghyun Seo*

- **Affective Computing:** Researched picture recommendation through emotion estimation.

Seoul, Korea

2020.03 - 2020.09

## PROJECTS

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### Air Instrument using On-device AI

*Progressed in Capstone Design*

CAU

2023.03 - *Current*

### Pet disease and BCS Care

*Progressed in Capstone Design*

CAU

2023.09 - 2023.12

### Development of the Cerebral Aneurysm Detectron using Brain DSA Image

*Progressed in artificial intelligence conference(CUAI)*

CUAI @ CAU

2023.06 - 2023.08

### Density Estimation based on YOLOv5

*Progressed in artificial intelligence conference(CUAI)*

CUAI @ CAU

2022.12 - 2022.02

### Development Voice Recognition PC Secretary

*Progressed in Da Vinci SW contest(SW TECH-FAIR)*

SW TECH-FAIR @ CAU

2019.06 - 2019.10

## HONORS & SCHOLARSHIP

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### Sungok Scholarship Foundation

2023.03 - Current

- Selected as a recipient of Sungok Scholarship Foundation, **Full tuition** during undergraduate student.

### Dongwon Scholarship Foundation

2023.03 - Current

- Selected as a recipient of Servant Leadership of Dongwon Scholarship Foundation, received **\$3,840**.

### The Rights Hands Scholarship

2023.02 - Current

- Selected as a recipient of the Rights Hands Scholarship(NGO), **\$384** every month during undergraduate student.

### Iduk I&C

2022 Fall

- Selected as a recipient of Iduk I&C Scholarship(Allerman), **\$3,840**.

### Undergraduate Fellowship

- Department Honor Scholarship 2023 Fall, 2024 Spring  
*Dean's List (Top 1), 30%-tuition during 1 semester*
- Department Secondary Honor Scholarship 2019 Fall, 2023 Spring  
*Dean's List (Top 10%), 30%-tuition during 1 semester*
- SW Specialization Scholarship 2020 Spring - 2020 Fall, 2022.Spring- 2022.Summer  
*Research Fellowship funded by Davinci Software Institute at Chung-Ang Univ.*
- University Innovation Support Project Scholarship 2023 Summer  
*Research Fellowship funded by University Innovation Support Project Committee(UISPC)*

### Award

- The Grand Award (1st Grade) 2023.12  
*CAU LINC 3.0, Chung-Ang Univ.*
- Paper Award (3rd Grade) 2023.11  
*Digital Contents Society(DCS).*
- Paper Award (3rd Grade) 2023.08  
*artificial intelligence conference(CUAI), Chung-Ang Univ.*
- Paper Award (3rd Grade) 2023.02  
*artificial intelligence conference(CUAI), Chung-Ang Univ.*
- Excellence Prize in Project (3rd Grade) 2019.10  
*Davinci Software Institute, Chung-Ang Univ.*

## SKILLS

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### Programming

- Proficient in: Python
- Familiar with: Java, C++, C

### Tools

- Software: Blender (Proficient) etc.
- Framework: PyTorch (Proficient), OpenCV, Open3D OpenGL etc.