

Nahyuk Lee

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PERSONAL DATA

- Birth: 13th Jan, 2000, in Republic of Korea
- Language: Native Speaker in Korean, Proficient in English
- Homepage: <https://github.com/NahyukLEE>

EDUCATION

Mar. 2019 ~ Present	Chung-Ang University School of Computer Science & Engineering <i>Bachelor's Course</i> GPA: 4.26 / 4.5	Seoul, Korea
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RESEARCH INTEREST

- **Computer Vision**
 - ✓ 3D Vision
 - ✓ Event-based 3D Reconstruction & Depth Estimation
 - ✓ Machine Learning & Deep Learning

EXPERIENCES

- **Research Intern** at *Computer Graphics Lab, Chung-Ang University* Dec. 2019 ~ Feb. 2021
Research Area: 3D Reconstruction, Affective Computing via machine learning
Advisor: Prof. Kyunghyun Yoon & Prof. Sanghyun Seo
- **Research Intern** at *Computer Vision Lab, Korea University* Mar. 2021 ~ Present
Research Area: Event-based 3D Reconstruction
Advisor: Prof. Sangpil Kim

PUBLICATIONS

1. **N. Lee**, K. Lee, Y. Park, S. Seo, T. Lee*, "Development of 3D Reconstruction and Object Recognition Model using Video", Journal of Digital Contents Society, vol. 21, no. 11, pp. 2011-2019 (**KCI**)

INTERNATIONAL CONFERENCES

1. T. Lee, **N. Lee**, S. Seo, K. Yoon, “The Method for Creating Paintings depend on User’s Emotion”, Intenational Conference on Innovation Convergence Technology (ICICT2020), pp. 153-155, Jeju, Korea, 2020 – oral.
2. T. Lee, **N. Lee**, S. Seo, D. Kang, “A Study on the Prediction of Emotion from Image by Time-flow using Color Analysis”, 2020 International Conference on Computational Science and Computational Intelligence (CSCI’20). IEEE, Las Vegas, NV, USA, 2020 – oral. (*proceeding accepted*)

DOMESTIC CONFERENCES

1. **N. Lee**, T. Lee, S. Seo, “A Study on Color-Based Emotional Analysis of Image using Machine Learning”, Digital Contents Society 2020 Meeting, Korea, On-line, 2020 – oral.

PROJECTS

- **Immersive Interaction in eXtended Reality Space for Real-world Recognition, Augmentation and Control** Dec. 2019 ~ Feb. 2021
Funded by National Research Foundation of Korea (NRF)
- **Development of AI-based Virtual Space Structure Estimation Technology Using Interior Space Point Cloud** May. 2020 ~ Feb. 2021
Funded by Korea Electronics Technology Institute (KETI)
- **AI-based Dementia Severity Prediction** Jun. 2020 ~ Feb. 2021
Funded by Chung-Ang University Hospital
- **Development of Virtual Reality (VR) Contents for Overcoming Cultural Conflicts in Post-Harmonic Society** Apr. 2021 ~ Present
Funded by National Research Foundation of Korea (NRF)

AWARDS & SCHOLARSHIPS

- **Kwanjeong Scholarship** Feb. 2021 ~ Present
Funded by the Kwanjeong Educational Foundation. (*Recommended by Chung-Ang Univ.*)
Full-tuition & fees during 2 years of undergraduate studies.
- **Undergraduate Fellowship (merit-based)**
 1. Da Vinci Scholarship V 2019-1 ~ 2019-2
Admission with highest distinction, Full-tuition during 1 year of Freshman
 2. Faculty Honor Scholarship 2019-2
Dean’s List (1st of All), Full-tuition during 1 semester
 3. Department Secondary Honor Scholarship 2020-1, 2020-2
Dean’s List (Top 10%), 30%-tuition during 1 semester
 4. SW Specialization Scholarship 2020-1 ~ 2020-2
Research Fellowship funded by Davinci Software Institute at Chung-Ang Univ.

- **Award**

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| 1. Best Paper Award (2 nd Grade), Humanities Research Institute, Chung-Ang Univ. | Jul. 2020 |
| 2. Best Paper Award (Top 10%), International Next-generation Convergence technology Association | Jul. 2020 |
| 3. Excellence Award in Project, Innovation Center for Engineering Education, Chung-Ang Univ. | Aug. 2020 |
| 4. Best Paper Award, Digital Contents, Society | Dec. 2020 |