

# Nahyuk Lee

School of Computer Science & Engineering  
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## PERSONAL DATA

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

## EDUCATION

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

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

## EXPERIENCES

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- **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, Depth Estimation*  
*Advisor: Prof. Sangpil Kim*

## PUBLICATIONS

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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

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1. T. Lee, **N. Lee**, S. Seo, K. Yoon, “The Method for Creating Paintings depend on User’s Emotion”, International 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

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

## PROJECTS

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- **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*

## AWARDS & SCHOLARSHIPS

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- **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**
  1. Best Paper Award (2<sup>nd</sup> 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