

# Jinsoo Leo Choi | PhD Candidate | KAIST

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## RESEARCH INTERESTS

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- Video enhancement
- Vision & language
- Deep learning

## EDUCATION

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### Korea Advanced Institute of Science and Technology (KAIST)

PhD in Electrical Engineering - Advisor: In So Kweon	Sep 2015 - Present
MSc in Electrical Engineering - Advisor: In So Kweon	Sep 2013 - Aug 2015
BSc in Electrical Engineering	Sep 2009 - Aug 2013

## PUBLICATIONS

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- **CVPR19** “Dense Relational Captioning: Triple-Stream Networks for Relationship-Based Captioning”  
D. Kim, **Jinsoo Choi**, T. Oh, and I.S. Kweon
- **WACV18** “Contextually Customized Video Summaries via Natural Language”  
**Jinsoo Choi**, T. Oh, and I.S. Kweon
- **WACV18** “Disjoint Multi-task Learning between Heterogeneous Human-centric Tasks”  
D. Kim, **Jinsoo Choi**, T. Oh, Y. Yoon, and I.S. Kweon
- **CVPR16 [Spotlight]** “Video-Story Composition via Plot Analysis”  
**Jinsoo Choi**, T. Oh, and I.S. Kweon
- **ECCVW16** “A Real-time Vehicular Vision System to Seamlessly See-through Cars”  
F. Rameau, H. Ha, K. Joo, **Jinsoo Choi**, and I.S. Kweon
- **TVC16** “A Real-time Augmented Reality System to See-Through Cars”  
F. Rameau, H. Ha, K. Joo, **Jinsoo Choi**, K. Park, and I.S. Kweon
- **ISMAR16** “A Real-time Augmented Reality System to See-Through Cars”  
F. Rameau, H. Ha, K. Joo, **Jinsoo Choi**, K. Park, and I.S. Kweon
- **ICIP14** “GMM-based Saliency Aggregation for Calibration-free Gaze Estimation”  
**Jinsoo Choi**, B. Ahn, J. Park, and I.S. Kweon

## EXPERIENCE

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<b>VQA for Videos</b> - Korea Ministry of Science and ICT   Project Researcher - Deep learning	Jun 2017 - Present
◦ Relational inference of visual objects (CVPR19 accepted)	
<b>Human Action Recognition</b> - KITECH   Project Researcher - Deep learning	Mar 2015 - Aug 2019
◦ Deep learning for video action recognition	
<b>KAIST Interaction Lab (KIXLAB)</b> - Daejeon, Korea   Research Intern - GUI design	Jun 2017 - Nov 2017
◦ Personal photo album application user interaction design	
<b>Shared Sensing for Automobiles</b> - BOSCH   Project Researcher - Computer Vision	2015 - 2016
◦ Computer vision system to “see through” the front car	
<b>ETRI</b> - Daejeon, Korea   Research Intern - Robot & Computer Vision	Winter 2013
◦ Gesture recognition via RGB-D, facial landmark detection	

## ACADEMIC SERVICES

CVPR Reviewer	2019
ICCV Reviewer	2019
IEEE Access Reviewer	2019

## AWARDS & HONORS

Qualcomm Innovation Awards, Nomination	2016
ICVSS 2016 Attendance	2016
Grand Prize, KAIST Innovation Contest	2011
Presidential Design Award, KAIST	2010