

# Jinsoo Leo Choi | PhD Candidate | KAIST

[jinsc37.github.io](https://github.com/jinsc37) [linkedin.com/in/jinsoo-leo-choi](https://www.linkedin.com/in/jinsoo-leo-choi) [github.com/jinsc37](https://github.com/jinsc37)  
[jinsc37@gmail.com](mailto:jinsc37@gmail.com) [+82-10-6632-1378](tel:+82-10-6632-1378)

Korea Advanced Institute of Science and Technology (KAIST), N1-212,  
291 Daehak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea

## 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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- **TOG19** (Minor revision) "Unsupervised video stabilization"  
Jinsoo Choi, and I.S. Kweon
- **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
- **TVCG16** "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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- VQA for Videos** - Korea Ministry of Science and ICT | Project Researcher - Deep learning Jun 2017 - Present  
◦ Relational inference of visual objects (CVPR19 accepted)
- Human Action Recognition** - KITECH | Project Researcher - Deep learning Mar 2015 - Aug 2019  
◦ Deep learning for video action recognition
- KAIST Interaction Lab (KIXLAB)** - Daejeon, Korea | Research Intern - GUI design Jun 2017 - Nov 2017  
◦ Personal photo album application user interaction design
- Shared Sensing for Automobiles** - BOSCH | Project Researcher - Computer Vision 2015 - 2016  
◦ Computer vision system to "see through" the front car
- ETRI** - Daejeon, Korea | Research Intern - Robot & Computer Vision Winter 2013  
◦ Gesture recognition via RGB-D, facial landmark detection

## ACADEMIC SERVICES

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- CVPR Reviewer 2019
- ICCV Reviewer 2019
- IEEE Access Reviewer 2019

## AWARDS & HONORS

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