

# 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)

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|--|---------------------|
| PhD in Electrical Engineering - Advisor: In So Kweon | Sep 2015 - Dec 2019 |
| 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** (SIGGRAPH Asia) “Deep Iterative Frame Interpolation for Full-frame 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
- **EMNLP19** “Image Captioning with Very Scarce Supervised Data: Adversarial Semi-Supervised Learning Approach”  
D. Kim, Jinsoo Choi, T. Oh, and I.S. Kweon
- **WACV18** (Oral) “Contextually Customized Video Summaries via Natural Language”  
Jinsoo Choi, T. Oh, and I.S. Kweon
- **WACV18** (Oral) “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
- **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** (ECCVW16) “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 <ul style="list-style-type: none"><li>◦ Relational inference of visual objects (CVPR19 accepted)</li></ul> | Jun 2017 - Present  |
| <b>Human Action Recognition</b> - KITECH   Project Researcher - Deep learning <ul style="list-style-type: none"><li>◦ Deep learning for video action recognition</li></ul>                                | Mar 2015 - Aug 2019 |
| <b>KAIST Interaction Lab (KIXLAB)</b> - Daejeon, Korea   Research Intern - GUI design <ul style="list-style-type: none"><li>◦ Personal photo album application user interaction design</li></ul>          | Jun 2017 - Nov 2017 |
| <b>Shared Sensing for Automobiles</b> - BOSCH   Project Researcher - Computer Vision <ul style="list-style-type: none"><li>◦ Computer vision system to “see through” the front car</li></ul>              | 2015 - 2016         |
| <b>ETRI</b> - Daejeon, Korea   Research Intern - Robot & Computer Vision <ul style="list-style-type: none"><li>◦ Gesture recognition via RGB-D, facial landmark detection</li></ul>                       | Winter 2013         |

## ACADEMIC SERVICES

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|                            |           |
|----------------------------|-----------|
| - ICML Area Chair/Reviewer | 2020      |
| - AAAI Program Committee   | 2020      |
| - CVPR Reviewer            | '19 - '20 |
| - 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 |