

# Jinsoo Leo Choi | PhD

[jinsc37.github.io](https://jinsc37.github.io) [linkedin.com/in/jinsoo-leo-choi](https://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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- Computer Vision / Deep Learning
- Video frame interpolation / Video stabilization / Super Resolution - (Three CVPR20 papers submitted)
- Vision & Language - (One CVPR20 paper submitted)

## EDUCATION

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

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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- **TOG/SIGGRAPH Asia19** (Oral) “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>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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- CVPR Reviewer	'19 - '20
- ICCV Reviewer	2019
- ECCV Reviewer	2020
- ICML Reviewer	2020
- AAAI Program Committee	2020
- TVCG Reviewer	2020
- IEEE Access Reviewer	2019

## AWARDS & HONORS

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- Silver Prize, Samsung Humantech Paper Awards (\$7,000)	2020
- Grand Prize, Electronic Times Paper Awards (\$10,000)	2019
- Silver Prize, Samsung EM Paper Awards (\$3,000)	2019
- Qualcomm-KAIST Best Paper Award (\$5,000)	2019
- Top Research Achievements, KAIST Annual R&D Report	2019
- Video Intelligence Paper Award, AIIA Korea	2019
- Grand Prize, KAIST Innovation Contest	2011