Jinsoo Leo Choi | PhD Candidate | KAIST

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RESEARCH INTERESTS

- Video enhancement
- Vision & language
- Deep learning

EDUCATION

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

○ **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

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

- CVPR Reviewer	2019
- ICCV Reviewer	2019
- IEEE Access Reviewer	2019
- AAAI Program Committee	2020

AWARDS & HONORS

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