

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** (Minor revision) "Unsupervised Video Stabilization" - to be presented at SIGGRAPH Asia 2019
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