Jinsoo Leo Choi | PhD Candidate | KAIST

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Korea Advanced Institute of Science and Technology (KAIST), N1-212,
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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

Awards & Honors

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