Jinsoo Leo Choi | PhD

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

- Computer Vision / Deep Learning
- Video frame interpolation / Video stabilization / Super Resolution - *(Three CVPR20 papers submitted)*
- Vision & Language - *(One CVPR20 paper submitted)*

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

- **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

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	
ETRI - *Daejeon, Korea* | Research Intern - Robot & Computer Vision	Winter 2013
◦ Gesture recognition via RGB-D, facial landmark detection	

ACADEMIC SERVICES

- 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

- Grand Prize, Electronic Times Paper Awards ($10,000)	2019
- Silver Prize, Samsung EM Paper Awards ($3,000)	2019
- Qualcomm-KAIST Best Paper Award	2019
- Top Research Achievements, KAIST Annual R&D Report	2019
- Video Intelligence Paper Award, AIIA Korea	2019
- Grand Prize, KAIST Innovation Contest	2011
- Presidential Design Award, KAIST	2010