

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 <ul style="list-style-type: none">◦ Relational inference of visual objects (CVPR19 accepted)	Jun 2017 - Present
Human Action Recognition - KITECH Project Researcher - Deep learning <ul style="list-style-type: none">◦ Deep learning for video action recognition	Mar 2015 - Aug 2019
KAIST Interaction Lab (KIXLAB) - Daejeon, Korea Research Intern - GUI design <ul style="list-style-type: none">◦ Personal photo album application user interaction design	Jun 2017 - Nov 2017
ETRI - Daejeon, Korea Research Intern - Robot & Computer Vision <ul style="list-style-type: none">◦ Gesture recognition via RGB-D, facial landmark detection	Winter 2013

ACADEMIC SERVICES

- CVPR Reviewer	'19 - '20
- ICCV Reviewer	2019
- ECCV Reviewer	2020
- ICML Reviewer	2020
- AAAI Program Committee	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
- Video Intelligence Paper Award, AIIA Korea	2019
- Qualcomm Innovation Awards Nomination	2016
- Grand Prize, KAIST Innovation Contest	2011
- Presidential Design Award, KAIST	2010