Gen Li

2nd Master in SKKU, Suwon, S.Korea

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PERSONAL DETAILS

Gender	Male
Nationality	China
Birth	November 13, 1996
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EDUCATION

Sungkyunkwan University (Rank 82nd all over the world)   *2018.09 - Present*

M.S. Electrical and Computer Engineering - Suwon, South Korea
   GPA: 4.36 / 4.5

Xidian University (Project 211, US News CS ranking 30th)   *2014.08 - 2018.06*
B.S. Electronic and Information Engineering - Xi'an, China
   GPA: 3.34 / 4.0

RESEARCH EXPERIENCE

Automatic Crime Action Recognition & Intelligent CCTV System   *2019.06 - 2020.07*
with Super-resolution Video Conversion
Supervisor: Prof. Joongkyu Kim
   Duties: Semantic Segmentation, Real-time Instance Segmentation

Semantic Image Segmentation Based on Deep Learning   *2017.11 - 2018.06*
Supervisor: Prof. Cheolkon Jung
   Duties: Deep learning in Real-time Object Detection & Semantic Segmentation

PUBLICATIONS

1. Dual Pyramids Encoder-decoder Network for Ground and Aerial View Semantic Segmentation
   Gen Li, Shenlu Jiang, Joongkyu Kim, Tae-yong Kuc, Ting Yang, Zhonghua Hong
   International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2020 (under review)
2. DABNet: Depth-wise Asymmetric Bottleneck for Real-time Semantic Segmentation [pdf] [code]
   Gen Li, Joongkyu Kim
   British Machine Vision Conference (BMVC), 2019
3. Depth-wise Asymmetric Bottleneck with Point-wise Attention Decoder for Real-time Semantic
Segmentation in Urban Scenes
   Gen Li, Shenlu Jiang, Inyong Yun, Jonghyun Kim, Joongkyu Kim
   IEEE Access (IF: 4.098) (under review)
4. Weakly Supervised Temporal Attention 3D Network for Action Recognition
   Jonghyun Kim, **Gen Li**, Inyong Yun, Cheolkon Jung, Joongkyu Kim
   IEEE Access (IF: 4.098) (under review)
5. An Optimized Deep Neural Network Detecting Small and Narrow Rectangular Objects in
Google Earth Images
   Shenlu Jiang, Wei Yao, Man-sing Wong, **Gen Li**, Zhonghua Hong, Tae-yong Kuc, Xiaohua Tong
   IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (IF:3.392) (under review)

ACADEMIC ACTIVITIES

British Machine Vision Conference (BMVC) 2019 *2019.09*
Cardiff University, UK

The Korean Institute of Electronics and Information Engineers *2019.06*
Jeju, South Korea

International Conference on Electronics, Information, and Communication 2019 *2019.01*
Auckland, New Zealand

NVDIA AI Conference 2018 *2018.11*
Seoul, South Korea

RESEARCH INTERESTS

- Deep Learning and Computer Vision
- Image Segmentation (semantic, instance, panoptic)
- Object Detection

LANGUAGE PROFICIENCY

- English - IELTS 7.0 (speaking: 8. 0)
- Korean - TOPIK II level 5

AWARDS AND GRANTS

1. STEM Scholarship, 100% tuition waiver, Samsung Funding
2. First Prize, National English Competition for College Students
3. Third Prize, Chinese College Students' Entrepreneurship Competition
4. Third Prize, Chinese Undergraduate Computer Design Contest
5. National Undergraduate Innovative and Entrepreneurial Training Programs
6. Fourth-level Certificate for National Computer Rank Examination
7. Outstanding Student Cadre, Xidian University
8. Outstanding League Cadre, Xidian University