

# Gen Li

2<sup>nd</sup> Master in SKKU, Suwon, S.Korea

✉ ligen@skku.edu | 🌐 Reagan1311

## PERSONAL DETAILS

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Gender	Male
Nationality	China
Birth	November 13, 1996
Mobile	(+86) 180-6676-7063
Website	<a href="https://reagan1311.github.io">https://reagan1311.github.io</a>

## EDUCATION

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**Sungkyunkwan University (Rank 82<sup>nd</sup> 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 30<sup>th</sup>)** 2014.08 - 2018.06

B.S. Electronic and Information Engineering - Xi'an, China  
GPA: 3.34 / 4.0

## RESEARCH EXPERIENCE

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**Automatic Crime Action Recognition & Intelligent CCTV System with Super-resolution Video Conversion** 2019.06 - 2020.07

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

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- 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)
- DABNet: Depth-wise Asymmetric Bottleneck for Real-time Semantic Segmentation [[pdf](#)] [[code](#)]  
**Gen Li**, Joongkyu Kim  
*British Machine Vision Conference (BMVC)*, 2019
- 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* (SCI, IF: 4.098) (under review)
- Weakly Supervised Temporal Attention 3D Network for Action Recognition  
Jonghyun Kim, **Gen Li**, Inyong Yun, Cheolkon Jung, Joongkyu Kim  
*IEEE Access* (SCI, IF: 4.098) (under review)
- 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* (SCI, IF:3.392) (under review)

## ACADEMIC ACTIVITIES

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<b>British Machine Vision Conference (BMVC) 2019</b> <i>Cardiff University, UK</i>	<i>2019.09</i>
<b>The Korean Institute of Electronics and Information Engineers</b> <i>Jeju, South Korea</i>	<i>2019.06</i>
<b>International Conference on Electronics, Information, and Communication 2019</b> <i>Auckland, New Zealand</i>	<i>2019.01</i>
<b>NVIDIA AI Conference 2018</b> <i>Seoul, South Korea</i>	<i>2018.11</i>

## RESEARCH INTERESTS

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

## LANGUAGE PROFICIENCY

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- English - IELTS 7.5 (L:8, R:6.5, W:6.5, S:8)
- Korean - TOPIK II level 5

## AWARDS AND GRANTS

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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