

# Gen Li

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## PERSONAL DETAILS

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Gender	Male
Nationality	China
Birth	November 13, 1996
Mobile	(+86) 180-6676-7063
Homepage	<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 - 2020.08

M.S. Electrical and Computer Engineering - Suwon, South Korea

GPA: 4.33 / 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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**Intelligent CCTV System with Automatic Crime Action Recognition & 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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- 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 [[pdf](#)]  
**Gen Li**, Shenlu Jiang, Inyong Yun, Jonghyun Kim, Joongkyu Kim  
*IEEE Access* (SCI, IF: 4.098)
- An Optimized Deep Neural Network Detecting Small and Narrow Rectangular Objects in Google Earth Images [[pdf](#)]  
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:3.827)
- Dual Pyramids Encoder-decoder Network for Semantic Segmentation on Ground and Aerial Imagery [[pdf](#)]  
Shenlu Jiang, **Gen Li**, Wei Yao, Zhonghua Hong, Tae-yong Kuc  
*International Society for Photogrammetry and Remote Sensing (ISPRS)*, 2020
- Weakly Supervised Temporal Attention 3D Network for Action Recognition  
Jonghyun Kim, **Gen Li**, Inyong Yun, Cheolkon Jung, Joongkyu Kim  
*Pattern Recognition* (SCI, IF: 5.898) (major revision)
- Contour and Identity Preserving Network for Face Super-Resolution without GAN  
Jonghyun Kim, **Gen Li**, Inyong Yun, Cheolkon Jung, Joongkyu Kim  
*Neurocomputing* (SCI, IF: 4.438) (major revision)

#### Patents:

- Information technology education training system based on SC mode  
*China Utility Mode (ZL201720500687.4)*
- A long tail clip convenient for hanging materials  
*China Utility Mode (ZL201320090223.2)*

## ACADEMIC ACTIVITIES

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**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*

**NVIDIA AI Conference 2018** 2018.11  
*Seoul, South Korea*

**Reviewer**  
*Neurocomputing*

## RESEARCH INTERESTS

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- Deep Learning and Computer Vision
- Image Segmentation (Semantic, instance, panoptic)
- Meta Learning (Few-shot Learning)

## 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
- Chinese - Native

## AWARDS AND GRANTS

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- STEM Scholarship, 100% tuition waiver, Samsung Funding
- State Scholarship for Study Abroad, China Scholarship Council of P.R. China
- First Prize, National English Competition for College Students
- Third Prize, Chinese College Students' Entrepreneurship Competition
- Third Prize, Chinese Undergraduate Computer Design Contest
- National Undergraduate Innovative and Entrepreneurial Training Programs
- Fourth-level Certificate for National Computer Rank Examination
- Outstanding Student Cadre, Xidian University
- Outstanding League Cadre, Xidian University

## PROFESSIONAL SKILLS

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- Languages: Python, C/C++, LaTeX, Matlab, JavaScript, PHP, HTML/CSS, etc.
- Frameworks and tools: Pytorch / Tensorflow / Keras, Git, Docker, Linux Bash, etc.