

Gen Li

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PERSONAL DETAILS

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

Sungkyunkwan University (Rank 82nd 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 30th) 2014.08 - 2018.06

B.S. Electronic and Information Engineering - Xi'an, China

GPA: 3.34 / 4.0

RESEARCH EXPERIENCE

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

- 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
- Edge and Identity Preserving Network for Face Super-Resolution
Jonghyun Kim, **Gen Li**, Inyong Yun, Cheolkon Jung, Joongkyu Kim
Neurocomputing (SCI, IF: 4.438)
- 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)

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

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

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

LANGUAGE PROFICIENCY

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

AWARDS AND GRANTS

- 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

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