Gen Li

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PERSONAL DETAILS

Gender	Male
Nationality	China
Birth	November 13, 1996
Mobile	(+86) 180-6676-7063
Homepage	https://reagan1311.github.io

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

- Adaptive Prototype Learning and Allocation for Few-Shot Segmentation
  Gen Li, Varun Jampani, Laura Sevilla-Lara, Deqing Sun, Jonghyun Kim, Joongkyu Kim
  IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2021
- 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)
- Weakly Supervised Temporal Attention 3D Network for Human Action Recognition
  Jonghyun Kim, **Gen Li**, Inyong Yun, Cheolkon Jung, Joongkyu Kim
  Pattern Recognition (SCI, IF: 5.898)
- Edge and Identity Preserving Network for Face Super-Resolution
  Jonghyun Kim, **Gen Li**, Inyong Yun, Cheolkon Jung, Joongkyu Kim
  Neurocomputing (SCI, IF: 4.438)
- 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

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

NVDIA 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.