Yiyong **Liu**

CIVIL ENGINEERING

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"Live for die."

Research Interest

My interested fields include Object Detection, Instance Segmentation and Person Search in Computer Vision. Recently I also have some interests in machine learning security and privacy.

Education

Zhejiang University   *Hangzhou, China*
B.E. IN CONSTRUCTION ENGINEERING   *Aug. 2015 - Jun. 2019*

Experience

Intern about machine learning   *Waseda University*
SUPERVISOR: PROF. FUJIMURA   *Aug. 2018 - Sept. 2018*
- The research is about the prediction of the electricity consumption of a company by using neutral networks.
- The model combined LSTM and fully-connected neural networks and the training method was to make the data of several days as a group and used the relation between each other.

Bachelor Thesis   *Zhejiang University*
SUPERVISOR: PROF. HAIJIAN XIE   *Mar. 2019 - Jun. 2019*
- The Research combined construction and deep learning to predict the construction waste.

Intern about autonomous driving   *Hangzhou, China*
MANAGER: HUAXING JIN   *Mar. 2020 - Jun. 2020*
- The main work is about Object Detection and Instance Segmentation.
- Using my own data to do leaf instance segmentation based on the state-of-the-art real-time instance segmentation models Yolact, SOLO, CenterMask and so on.

Student Research Training Program(SRTP)   *Zhejiang University*
SUPERVISOR: PROF. YUEPING XU   *Apr. 2017 - Apr. 2018*
- The calculation of accumulated snow in Brahmaputra river basin ans simulation using HBV.

Student Research Training Program(SRTP)   *Zhejiang University*
SUPERVISOR: PROF. YUEPING XU   *Apr. 2018 - Apr. 2019*
- The calculation of accumulated snow in the Southeast of China and the improvement of HBV using the evolution of martensitic root.

Awards

2015	**Scholarship**, ZengXianzi Scholarship	*Zhejiang University*
2016	**Scholarship**, Third-Class Scholarship	*Zhejiang University*
2016	**Scholarship**, Excellent Student Scholarship	*Zhejiang University*
2017	**Scholarship**, Third-Class Scholarship	*Zhejiang University*

Related Skills

Computer Science Data Structure, Algorithm Analysis, good at using pytorch, great understanding of classical models of machine learning
Programming language c/c++, python