

Yiyong Liu

INFORMATICS

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“Live for die.”

Research Interest

My interested field is machine learning security and privacy. And I also did some work about Object Detection and Instance Segmentation in computer vision field.

Education

CISPA & Saarland University

PH.D. PREPARATORY PHASE IN COMPUTER SCIENCE

Saarbrücken, Germany

Apr. 2021 - Present

Zhejiang University

B.E. IN CONSTRUCTION ENGINEERING

Hangzhou, China

Aug. 2015 - Jun. 2019

Experience

Intern about machine learning

SUPERVISOR: PROF. FUJIMURA

Waseda University

Aug. 2018 - Sept. 2018

- The research is about the prediction of the electricity consumption of a company by using neural 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

SUPERVISOR: PROF. HAIJIAN XIE

Zhejiang University

Mar. 2019 - Jun. 2019

- The Research combined construction and deep learning to predict the construction waste.

Intern about autonomous driving

MANAGER: HUAXING JIN

Hangzhou, China

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)

SUPERVISOR: PROF. YUEPING XU

Zhejiang University

Apr. 2017 - Apr. 2018

- The calculation of accumulated snow in Brahmaputra river basin and simulation using HBV.

Student Research Training Program(SRTP)

SUPERVISOR: PROF. YUEPING XU

Zhejiang University

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

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| 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