Personal Resume (01/04/2020)

Guangyao Li（李光耀）

Born on 1995.08.28 in Anhui Province, China

Sex: Male   Address:

Tel: +86 18810990726   China Agricultural University East Campus

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GitHub Homepage: https://ayameyao.github.io/

CSDN Homepage: https://blog.csdn.net/CAU_Ayao

Education

M.S. Computer Science, China Agricultural University, 09/2017-06/2020 (expected)

B.S. Software Engineering, Tianjin Institute of Software Engineering, 09/2016-06/2017

B.S. Software Engineering, Tianjin Agricultural University, 09/2013-06/2017

Exchange Experience Abroad

2020 Digital Agriculture Hackathon, Cornell University, USA, 02/2020 (expected)

The Iowa (US)‐Southeast Asia biodiversity conference, Iowa State University, USA, 09/2019

Research Areas

Computer vision such as object detection and image restoration

Agricultural informationization

Competition Experience

Lan Qiao Cup Programming Competition, Provincial Second Prize

Mathematical Modeling Competition, Provincial Second Prize

Computer Design Competition, National Third Prize

Professional Skills

Familiar with programming languages such as C, Python, Java, MATLAB, LaTeX

Familiar with the basic framework of deep learning such as Caffe and TensorFlow

Familiar with basic theories such as machine learning/deep learning

Familiar with the mainstream algorithms in the field of computer vision

Familiar with the use of PS/PR and other image/video processing tools

Projects

➢ Key Technology Integration and Demonstration of Precise Management and Control of Marine Shellfish Breeding, Key Research and Development Plan, Shandong, China (2016CYJS03A02)

➢ Research on Multi-water Source Integrated Supervision Technology in Grassland based on Internet of Things, International Cooperation Projects (2015DFA00530)

➢ Design and Implementation of Scanning Code Sign-in System Based on WeChat, College Students' Innovation and Entrepreneurship Training Program (201510061103)

Publications

- Zhenbo Li, **Guangyao Li**, et al. Research on Aquatic Animal Behavior Tracking and Analysis Technology Based on Computer Vision: A review. *COMPUTERS AND ELECTRONICS IN AGRICULTURE.* (SCI, Ready for Decision (Submitted:23/10/2018))
- **Guangyao Li,** Zhenbo Li, et al. Shellfish Detection based on Fusion Attention Mechanism in End-to-End Network. *In: Lin Z. et al. (eds) Pattern Recognition and Computer Vision. PRCV2019.* Lecture Notes in Computer Science, vol 11859, 2019, Springer, Cham.
- Zhenbo Li, **Guangyao Li**, et al. Sea cucumber image dehazing method by fusion of Retinex and dark channel. *IFAC PapersOnLine,*51-17,2018,796–801.
- Bingshan Niu, **Guangyao Li**, et al. Survey of Fish Behavior Analysis by Computer Vision. *Journal of Aquaculture Research & Development.*2018,9(5):534.

Invention Patents

- Zhenbo Li and **Guangyao Li** etc., Method and system for defogging enhancement of underwater sea cucumber image，2018.10.12，CN108648160A，China
- Zhenbo Li and **Guangyao Li** etc., A dangerous behavior recognition method in family environment，2018.09.14，CN108537105A，China
- Zhenbo Li and **Guangyao Li** etc., Object detection method and device for shellfish image，2019.05.28，201910450044.7, China

Computer Software Copyrights

- Zhenbo Li and **Guangyao Li** etc., Shellfish seedling pest and disease intelligent diagnosis platform system V1.0，Authorization Registration Number: 2018SRBJ1250
- Zhenbo Li and **Guangyao Li** etc., Four-axis aircraft control system based on C language and single chip technology V1.0，Authorization Registration Number: 2018SRBJ1248
- Zhenbo Li and **Guangyao Li** etc., Music portal system based on Bootstrap technology V1.0，Authorization Registration Number: 2018SRBJ1251

Awards

- The First Prize Scholarship, China Agricultural University, 2018
- Merit Student, China Agricultural University, 2018
- National Encouragement scholarship, Tianjin Agricultural University, 2016
- The First Prize Scholarship, Tianjin Agricultural University, 2016
- Merit Student, Tianjin Agricultural University, 2015

Hobbies

- Play badminton
- Photography