HAO ZHANG

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EDUCATION

MSc student in Communications Engineering | *Advised by: Prof.*   Sep. 2022 – Now
Chinese University of Hongkong   Shenzhen, China

B.Eng. in Electronic Information Engineering | *Advised by: Prof.Zhibin Yu*   Sep. 2018 – June 2022
Ocean University of China   Tsingdao, China

WORK EXPERIENCE

Software Developer Intern   July 2021 – Sep 2021
IT Department, Zhengbang Group   Jiangxi, China

- Upgrade and optimize company software based on user's feedback and maintain software
- Involve using JavaScript, C++ and HTML

Research Intern | *Advised by: Prof.Zhibin Yu*   Oct 2019 – Oct 2021
Ocean University of China   Tsingdao, China

- Implement deep learning algorithms(CNN, GAN) on underwater object detection
- Conduct research on manipulator control based on deep reinforcement learning
- Design a garbage sorting system based on computer vision and deep reinforcement learning

RESEARCH PROJECT

Design a Garbage Sorting System Based on Computer Vision and Reinforcement Learning   Oct 2021
Ocean University of China

- Design a prototype of garbage sorting system to achieve classification and automatic grasp of harmful waste
- Implemente object detection algorithm(YOLO) and reinforcement learning(DDPG) with Python

Design a Mesh Monitoring and Cleaning System Based on Mesh Cleaning Robot   Aug 2020
Ocean University of China

- Responsible for implementing deep learning algorithm on underwater object detection and counting
- Won the National First Class Award

HONORS AND AWARDS

Second Class Entrance Scholarship   Sep 2022
Chinese University of Hongkong, Shenzhen

Shandong Province First Class Award   Oct 2020
Contemporary Undergraduate Mathematical Contest In Modeling

National First Class Award   Aug 2020
2020 China Marine Intelligent Equipment Innovation Competition

SKILLS

Languages: English (IELTS 6.5), Chinese (Native), Japanese (Conversational)
Programming: Python (Pytorch, Tensorflow, Numpy, Matplotlib), MATLAB, C & C++
Document Creation: Microsoft Office Suite, Latex