

Yubin Wang

TEL: (+86)13091374893

Email:

fishcakewang11@gmail.com



EDUCATION

NORTHEASTERN UNIVERSITY

AUTOMATION (Ranked 2th in China)

Expected Jun 2022 | NEU, CN

Cum. GPA: 89.4/100

ACTIVITIES

- Basketball Department Team Leader
- The Most Valuable Player *2
- Final Championship *2

COURSEWORK

COLLEGE

- 99 - Machine Learning
- 97 - Fundamental of Artificial Intelligence
- 95 - Circuit Principle
- 97 - Functions of Complex Variables and Integral Transforms
- 97 - College Physics (Classical Electromagnetism)
- 92 - Advanced Mathematics A2
- 92 - C++ Programming
- 92 - Linear Algebra
- 91 - Foundation of Modern Control Theory
- 97 - Japanese

SKILLS

PROGRAMMING

- Matlab
- Python
- C++

GENERAL

- Baidu AI Studio (PaddlePaddle DeepLearning Platform)
- Digital/Analog Electronics
- LaTeX
- Basic Japanese
- AutoCAD
- Optitrack Motion Capture System
- Driving License

EXPERIENCE

Autonomous Network and Control Lab | UG/Research Assistant

Oct 2018 - Now | Qinhuangdao, CN

- ANCL Website: <http://www.chenfei.org/ancl/index.html>
- Supervised by Prof. Fei Chen, *Professor, SMIEEE*
- My research interest: multi-robot system, cooperative control, distributed optimization, machine learning

Multi-UAV Formation Flight | Researcher

Nov 2018 - Jun 2019 | Qinhuangdao, CN

- Set up a multi-UAV platform
- Built connections between motion capture system and UAVs
- Adjusted parameters of flight control and optimized its flight
- Completed multi-UAV formation flight

Sound Source Localization and Exploration | Research Assistant

Sep 2020 - Nov 2020 | Qinhuangdao, CN

- Worked with a PHD student to research sound source localization for sensing robot
- Processed sound data by using Kalman filter
- Established mathematical relationships between sound strength and distance

Distributed Multi-Robot Exploration | Research Assistant

Nov 2020 - Now | Qinhuangdao, CN

- Worked with a PHD student to research distributed multi-robot system especially in Robots exploration
- Helped set up our Turtlebot3 Robotics experimental platform
- Proposed our distributed source localization algorithm
- Control multiple Robots to explore and find the source
- Completed multi-Robot collision avoidance combined with modification control law based on artificial potential field
- Preparing a manuscript of this project and sure about this can be a nice paper
- Experimental results will be uploaded on ANCL's YouTube channel

SUDO RoboMaster Team | Artificial Intelligence Team Leader

Oct 2020 - Now | Qinhuangdao, CN

- Responsible for the training of freshman and sophomores about the robots control and function optimization
- Completed control framework including state transition, state optimization, target identification, etc.

College Outreach Department | Deputy Minister

Sep 2019 - Sep 2020 | Qinhuangdao, CN

- Awarded the 2019 College Outstanding Officer
- Awarded scholarships for outstanding students every semester
- Responsible for organizing and arranging all sponsorship activities of the college
- Good communication and cooperation skills