Yizhou Chen

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https://github.com/JINXER000

EDUCATION

Nanjing University of Aeronautics and Astronautics (NUAA) — Nanjing, China
- B.S. in Automation — 09/2015 – 06/2019
- GPA: 90/100, ranking: 10/180

The Chinese University of Hong Kong (CUHK) — Hong Kong, China
- Ph.D candidate in Mechanical and Automation Engineering — 11/2019 – Present

PUBLICATION

- **Chen Yizhou,** Wang Xinyi, Guo Zixuan, Wang Ruoyu, Zhou Xunkuai, Yang Guidong, Lai Shupeng, and Ben M. Chen, "An interactive system for multiple-task linear temporal logic path planning." Accepted by IROS 2023.
- **Chen Yizhou,** Wang Xinyi, Wang Ruoyu, and Ben M. Chen, "Sampling-based Path Planning under Temporal Logic Constraints with Real-time Adaptation." Accepted by ICRA 2023.
- **Chen Yizhou**, Lai Shupeng, Cui Jinqiang, Wang Biao, and Ben M. Chen, "GPU-accelerated Incremental Euclidean Distance Fields for Online Motion Planning of Mobile Robots." *IEEE Robotics and Automation Letters* (2022) & IROS 2022.
- **Chen Yizhou**, Lai Shupeng, Wang Biao, Lin Feng, and Ben M. Chen "A GPU Mapping System for Real-time Robot Motion Planning." Accepted by RCAR 2021.

ACADEMIC PROJECT

InoAIR Program — 01/2021 – Present
- Developed a software system for reliable and automated aerial inspection
- Conducted research on task and motion planning in scene reconstruction

INTERNSHIP

Roadefend Vision Technology (Shanghai) Co., Ltd. — Shanghai, China
- Algorithm Engineer Intern — 07/2018 – 09/2018
- Work on latest image segmentation algorithms, and improve self-driving system

Temasek Lab in NUS
- Associate Scientist — 01/2019-- 03/2019
- Work on mapping algorithm of UAV

HONORS

Postgraduate Scholarship — 08/2020

China National Scholarship (Undergraduate) — 10/2018
Third Prize, **DJI RoboMaster National Robotics Competition (China)** — 05/2018
First Prize, **Mechanical Innovation Design Competition (China)** — 04/2018
Second Prize, **National Undergraduate Electronics Design Contest (China)** — 07/2017
First Prize, **TI Cup – Embedded System Design Contest** — 04/2017

LEADERSHIP

Group leader, **Fundamental System group** at **USRL** — 02/2020 – Present

SKILLS

CUDA C, C++, Python, MATLAB