

HAOZHI ZHANG

Evanston, ILLINOIS 60201 | (773) 273-1469 | haozhizhang2021@u.northwestern.edu

Objective

Interested in any software development engineering position, especially in robotic/autonomous driving systems.

Education

Master of Science: Robotics 09/2021 - 12/2022(expected)
Northwestern - Evanston, IL
GPA 3.75/4.00

Bachelor of Science: Mechanical Engineering 08/2016 - 05/2020
North Carolina State University - Raleigh, NC
GPA 3.98/4.00

Professional Experience

Intern 11/2020 to 05/2022
Sylincom – Beijing

- Engage in developing an intelligent system embedded on an autonomous agricultural machine using ROS and C++.

Projects

Details available on <https://jameszhz1647.wixsite.com/haozhizhang>

- **Wheel of Despair** (04/2019 - 05/2019)
 - Design of high-performance controller using control theory in Matlab/Simulink
- **UAV Comp** (09/2019 - 12/2019)
 - Design an unmanned aerial vehicle with remote control and Pixhawk
- **Balanced Board** (10/2021 - 12/2021)
 - Use ROS control to manipulate the Franka robot arm to control a ping-pong ball in order to follow a desired trajectory on a balanced board.
- **Mobile Manipulation** (11/2021 - 12/2021)
 - Control KUKA youBot to pick up a block at the initial location to desired place in simulation.
- **Jack in the Box** (11/2021 - 12/2021)
 - A physical simulation of a jack inside a box. The box is shaken under an external force. The jack will then fall due to gravity, hit the box, and bounce back.

Skills

- Python
- C
- C++
- ROS
- Linux
- Git