

Shuai Zhou

my github
my linkedin

my personal site
mail:davidzhou718@gmail.com

Education

South China University of Technology

Bachelor Student in Robotics engineering

Aug. 2022 – Present

GuangZhou, China

- Current GPA: 4.00/4.00
- Core curriculum: Artificial Intelligence Technology and Application, Machine Vision and Sensing Systems, Robot Theory and Technology, Mechanic, Introduction to Engineering, Human-Computer Interaction, Industrial Robots and Applications, Embedded Systems and Design, Data Structure and Algorithm

Experience

Visiting Student

one semester in University of California, Berkeley

Aug. 2023 – Dec. 2023

Berkeley, United states

- GPA: 4.00/4.00
- Core curriculum: Data Structures, Designing information devices and Systems I, Introductory Physics II and Introduction to Solid Mechanics

GVI winter Vacation internship program

Intern Team leader

Jan. 2023 – Mar. 2023

ShenZhen, China

- Leading my peers, we completed the data analysis report with me serving as the group leader of Team A-2. Guiding a team of 10 individuals, we conducted thorough research, data analysis, and literature review. The final report effectively communicates our findings in a comprehensive manner

Publications

None

Projects

Fuxi

course project: A bionic powered underwater robot

Sep. 2022 – Nov. 2022

Guangzhou, China

- Project description: A 5-person team independently designed the bionic robot (without propeller) to avoid underwater obstacles and find the way to the end point, completed the robot appearance modeling and 3d printing through Solidworks, developed with stm32f4 motherboard, designed the driving structure with frog as the imitation object, and used visual sensors and acoustic sensors. The path is constructed using RRT when the 2-D maze map is known. At the same time, the three-dimensional relative position of the sensor perception obstacles is constructed to complete the obstacle avoidance map. I am responsible for the planning part

Technical Skills, Language Skills, and Interests

OS: Windows, Linux(Ubuntu)

Programming Languages: python, C/C++, Java, HTML

Version Control: Git

Writing: \LaTeX , Office

Languages: Chinese (native), English (fluent)

Interests: Multi agent system, Motion planning

Extracurricular

Self-learning courses:

- * CMU: 10301/601 Introduction to Machine Learning
- * CMU: 16-782 Planning and Decision-making in Robotics
- * Coursera: Robotics: Computational Motion Planning

Duolingo: 120

GRE: 321