

Lin Zhou

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EDUCATION

King's College London Sept. 2022 - Jul. 2023
Master of Engineering with Management London, United Kingdom
Degree: Distinction
• Core Courses (Grades): Machine Learning (85), Nature-Inspired Learning Algorithms (84), Sensor and Actuators (75), Robotic Systems (74), Real-Time System and Control (76)

Heilongjiang University Sept. 2018 - Jul. 2022
Bachelor of Civil Engineering (Hydraulics) Harbin, China
• Overall GPA: 89.1/100
• Ranking: 6
• Core Courses (Grades): Advanced Physics (92), Advanced Mathematics (95), Probability and Mathematical Statistics (94), Theoretical Mechanics (90), Hydraulics (91), Engineering Geology & Hydraulic Geology (94)

Heilongjiang University Sept. 2020 - Jul. 2022
Bachelor of Finance Harbin, China
• Overall GPA: 86.5/100

PROJECT EXPERIENCE

Final Thesis May.2023 - Sept.2023
Topics: Real-Time Balancing of a Quadrupedal Robot through Optimization of Cartesian Centre-of-Mass Impedances using Reinforcement Learning
• Employing an Impedance Control strategy to enhance the motion of solo12 robot, ensuring precise trajectory tracking with its excellent disturbance capability.
• Applying Deep Reinforcement Learning techniques like SAC and TD3 to determine the optimal stiffness and damping parameters based on different force profile. Eventually achieving promising results comparison with classical binary.

Workshop Project April.2023
Topics: Motion Planning Algorithm Application Score: 89/100
• Employ Python-based platforms to apply planning algorithms such as PRM, Dijkstra, and A* for motion generation in unobstructed environments while ensuring collision avoidance.

Workshop Project Dec.2022
Topics: Machine Learning Application Score:95/100
• Utilize various classification algorithms such as the Perceptron and Neural Network to examine the heart attack database and empower the classifier with the ability to classify new databases.

INTERNSHIP EXPERIENCE

Data Analyst Intern

Dec.2021 - March.2022

Hellobike Co. Ltd

Shanghai, China

- Employed at the leading bike-sharing and e-bike company in China, responsible for analyzing usage patterns and adjusting prices based on data for core products.
- Independently utilized mathematical modules in SQL to capture customer characteristics and conducted diverse group experiments to test customer preferences.
- Contributed to enhancing price structures and developing product performance, leading to a comprehensive understanding of the company's business logic.

AWARDS

Student Scholarship 2021 (students with excellent GPA)

SKILLS & HOBBIES

Skills: MATLAB, Python, CAD, MS Offices, SQL

Hobbies: Swimming, Badminton, Frisbee, Hiking