

JINNAN SANG

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EDUCATION BACKGROUND

Tsinghua University , <i>Master of Engineering</i> , Department of Automation	2021.09 -
The Chinese University of Hong Kong , <i>IASP Exchange</i> , New Asia College	2023.08 - 2023.12
Tsinghua University , <i>Bachelor of Engineering</i> , Department of Automation	2017.08 - 2021.06
• GPA 3.80/4.00, rank 14/181	

WORK EXPERIENCE

Infinite Plane Technology co, ltd. , Internship Engineer of system and architecture	2024.09 -
• Working on a Software Development Kit to optimize the performance for GPUs and CPUs through the Voltage-Frequency curve on Windows laptops.	
• Working on intelligent energy distribution strategy for devices on Windows laptops.	
• Working on automatic BIOS optimizing software for the Windows system.	
SenseTime AI co, ltd. , Internship Engineering of Algorithm	2021.03 - 2024.03
• Developed a LiDAR-Camera Fusion framework on Autonomous Driving by semi-supervising LiDAR depth estimation.	
• Built a data loop managing platform for Autonomous service, containing model evaluation and setting processing.	
SpinQ Technology co, ltd. , Internship of Products	2020.06 - 2020.08
• Developed a framework for end-to-end quantum machine learning.	
• Won the second prize for the Huawei Quantum Calculation Competition in 2020.	

PUBLICATION HISTORY

《 3D human position estimation: methods and devices 》 (Patent)	2023.03
• Providing a new data structure for 3D human position estimation and saving training time and resources.	
• Served as the second author, responsible for the experiment design and coding.	
• Published in 2023, China.	
《 Intelligent ship in complex open waters 》	2022.07
• Modeled the navigation problem of intelligent ships in open waters and developed algorithms to solve path planning and real-time obstacle avoidance problems based on reinforcement learning related methods.	
• Served as third author, responsible for the development of rule-based algorithm packages and deployment tools.	
• Published in Computer Integrated Manufacturing Systems, Issue 28, 2022, Beijing, China.	

CAMPUS ACTIVITIES

Heidelberg Laureate Forum , Young Researcher	2024.09
• An annual Forum in Heidelberg, Germany to meet with Laureates of Prizes.	
• Focused on modern topics of mathematics and computer science.	
Tsinghua University Skyworks Club , Associate Chairman	2022.03 - 2024.03
• A technical club interested in the application of artificial intelligence in autonomous and aviation engineering.	
• This Club is supported by Boeing co, ltd.	
Tsinghua University iOS Club , Associate Chairman	2020.10 - 2022.12
• An organization on campus to help students keep in contact with industry and the market. Sharing a good relationship between the university and some industrial fields. This Club is supported by Apple co, ltd.	
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