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Education	
University of California, San Diego — Jacobs School of Engineering , <i>San Diego, CA</i> MS of Electrical & Computer Engineering GPA: N/A	Sep. 2019 – Jul. 2021 (expected)
Nankai University — Institute of Computer and Control Engineering, <i>Tianjin, China</i> BS of Control Engineering GPA: 87.30/100.00	a Sep. 2015 – Jul. 2019
Research Projects	
 Autonomous Fingerprinting for Indoor Localization Guide: Dr. Liang He, University of Colorado Denverk Reduce the energy consumed by the robot fingerprint collector through map segm Recovery the lost WiFi signal via the proposed dual-band signal difference model. Detect the inaccurate WiFi signal with the hypothetical test, and recover them via the segmination. 	
A Reinforcement Learning Based Multiple Strategies Framework for Tracking a Mo	o
Guide: Dr. Xuebo Zhang, Institute of Robotics, Nankai University	Jan. 2019 – May. 2019
 Propose a hierarchical control framework to solve robot tracking problem, which co a low classical control layer. Choose Dynamic Window Approach and Potential Field Approach as path plan advantages and disadvantages, and implement them by Python. Establish a robot pursuit evasion environment via OpenAI gym, and train the agent by Automorphic Science Pathote Read Indeen WiFi Leastingtion Science. 	nning methods through comparing their
Autonomous Robots Based Indoor WiFi Localization System Guide: Dr. Xuebo Zhang, Institute of Robotics, Nankai University	Feb. 2017 – Jun. 2018
 Design the Android map app, which can localize and navigate users indoor. Localized users with WiFi signal and inertial sensors in the smart phone, which ar Estimate the uncertainty of WiFi signal via the Gaussian stochastic process. Constructed the robot WiFi collection platform, which can perform SLAM and at collect WiFi signal samples. Designed the remote server which manages the fingerprint map database and upd 	utonomously survey the indoor space to
Course Projects	
 Modeling and Controlling of Three-Wheel Forklift Truck Establish the mathematical kinematic/inverse kinematics model of a forklift truck wheel and simulated it in Matlab. 	<i>May.</i> 2018 – Jun. 2018 k with two fixed wheels and one steering
 Used a linear controller with dead-zone to control the forklift truck to reach any ar 	rbitrary pose.
 Face Detection and Recognition Extract Haar-like features of faces, and using AdaBoost algorithm to compose thes Recognize faces of classmates via a Convolutional Neural Network. 	<i>Oct.</i> 2017 – <i>Jan.</i> 2018 se feature to detect faces.
 Controller of 3 DoF Helicopter Design the servo controller, including a velocity loop and a position loop. Adjusting parameters of PIDs with pole-placement theory. 	Nov. 2017 – Dec. 2017
Publications	
	arXiv preprint arXiv:1911.11825, 2019

Gongneng Scholarship, Nankai UniversityMar. 2016 – Mar. 2019The 2nd Prize, the 8th Huawei Cup National Undergraduate Intelligent Design ContestAug. 2018

Skills & Others

Machine Learning: Statistical Learning, Bayes Network, Gaussian Stochastic Process, Neural Network, and Reinforcement Learning.

Robotics: Robot Kinematics, Linear Control Theory, Path Planning, Kalman Filter, Particle Filter, SLAM. **Programing**: Excellent in Python, and Java. Proficient in C++, Javascript, Lua, and ROS. **Interests**: Open Source Software, Blog, Game Development