



Robotics Engineer

JOSEF GSTOETTNER

Masters in Mechanical Engineering

FACTS

Contact

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Areas of specialization

ROS / ROS 2 mobile robots • CAD / CAE

SKILLS

Languages

English	fluenluent
Mandarin	conversational
Cantonese	basic
German	native

OS:

IT & programming

python	<div></div>
C / C++	<div></div>
C#	<div></div>
Matlab	<div></div>
Docker	<div></div>
html, css	<div></div>
javascript	<div></div>

C++ and Python developer with experience in ROS. Makes robots navigate autonomously. Well rounded robotics engineer, can work on software, mechanics and electronics.

SHORT RESUMÉ

2022–2024	System Engineer ROS · LSCM Set up SLAM (cartographer, slamtoolbox, rtabmap) and NAV2 on autonomous mobile robots.	
2020–2022	Research Assistant EMBEDDED SOFTWARE · HKUST Developed a weight scale with RFID scanner for automated storage records in chemical Labs on Arduino MCU.	
2019–2020	Mechanical Engineer CAD DESIGN · KALBAS Designed, 3D-printed and created tool-paths for CNC machining of fish lure prototypes.	

PROJECTS

2023	Lingao ROS 2 ROS 2 · Personal side Project Build an autonomous mobile robot from scratch for outdoor environment.	
2021–2022	Red Bird Racing AUTONOMOUS RACING · HKUST Cone detection with OpenCV and autonomous race car control-algorithm in ROS	
2021–2022	Robomaster SOFTWARE TEAM · HKUST SLAM and navigation for autonomous Robot in ROS and embedded software development on STM32.	
2020–2021	Autonomous RC-car race (first place 🏆) IMITATION LEARNING · HKUST Trained Pytorch model on the Jetson Nano for autonomous-driving, obstacle avoidance and overtaking of other cars.	

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