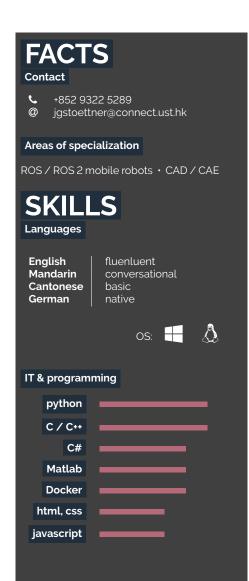
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JOSEF GSTOETTNER

Masters in Mechanical Engineering



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 **P**)

IMITATION LEARNING · HKUST

Trained Pytorch model on the Jetson Nano for autonomous-driving, obstacle avoidance and overtaking of other cars.





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