

Gergely Bilkei-Gorzo

Specialist Embedded Systems



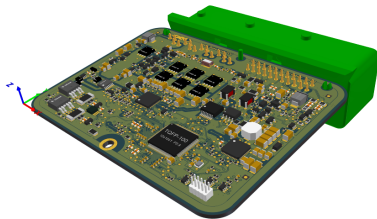
Project Overview

Integration of a Sidestick Steering device into a Ferrari 458 Steer-by-Wire prototype



2019

Hardware testing, hardware design consulting, layouting, test software design and implementation for a serial production automotive ECU



2021

Hardware design and software development for a Steer-by-Wire system for both hand and wheel actuation, including motor control algorithm, function software, sensor data processing, safety and steering model. Integration and testing in an AMG GT prototype vehicle.



2023

Software Development for a dSPACE AutoBox analog sensor extension board



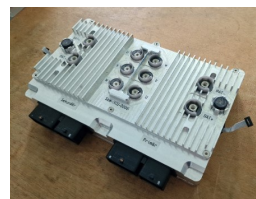
2018

Development of a bootloader, ethernet driver, and port of FreeRTOS, LWIP and PTP for an automotive zone ECU used in an autonomous Shuttle (UNICARagil)



2020

Hardware design and software development for a Steer-by-Wire system including motor control algorithm, function software, sensor data processing and safety. Integration into a VW ID3 prototype vehicle



2022

Development of an application management system that enables to utilize the unused computing power of autonomous vehicles for external application (doctor thesis topic) in the project AUTotech.agil

2023

