Gergely Bilkei-Gorzo

Specialist Embedded Systems

Personal Summary:

I am an automation engineer currently working as a research assistant and PhD candidate at the Automotive Institute of RWTH Aachen University. I am passionate about driving innovation in software and engineering projects, with a strong focus on efficiency, quality, and impactful results.

Skills

- Very good in C, Matlab/Simulink and embedded systems (firmware, RTOS, bootloader, protocols, bus communication, circuit design)
- Good in Python and C++
- Good in containerisation implementations using POSIX functions
- Experienced in hardware testing for series production desings
- Experienced in system integration for prototype vehicles
- Very good knowledge in Steer-by-Wire systems
- basics in container development with docker
- experience in personnel management
- Languages:
    - Hungarian: Native
    - German: Bilingual Proficiency
    - English: Professional Working Proficiency

Work Experience

2018 - present | Research Assistent/PhD candidate
Institute for Automotive Engineering
- Lecturer for various industry partners
- Worked on different hardware designs and layouts for prototype and series production hardware
- Performend hardware tests and consulted industry partner on recommended changes
- Developed software for various embedded platforms for integration in prototype vehicles
- responsible person to the customer

2024 - present | Specialist Embedded System
Institute for Automotive Engineering
- Lecturer for various industry partners
- Development of a container management system for automotive applications

Education

2016 - 2018 | Automation Engineering (RWTH Aachen)
- Master Thesis: Smart Power Distrbution Unit for 48V automotive power net
- Student assistant for 400V to 48V DC/DC converter desing and control algorithm

2009 - 2015 | Mechanical Engineering, spcialization Automotive (RWTH Aachen)

Contact

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