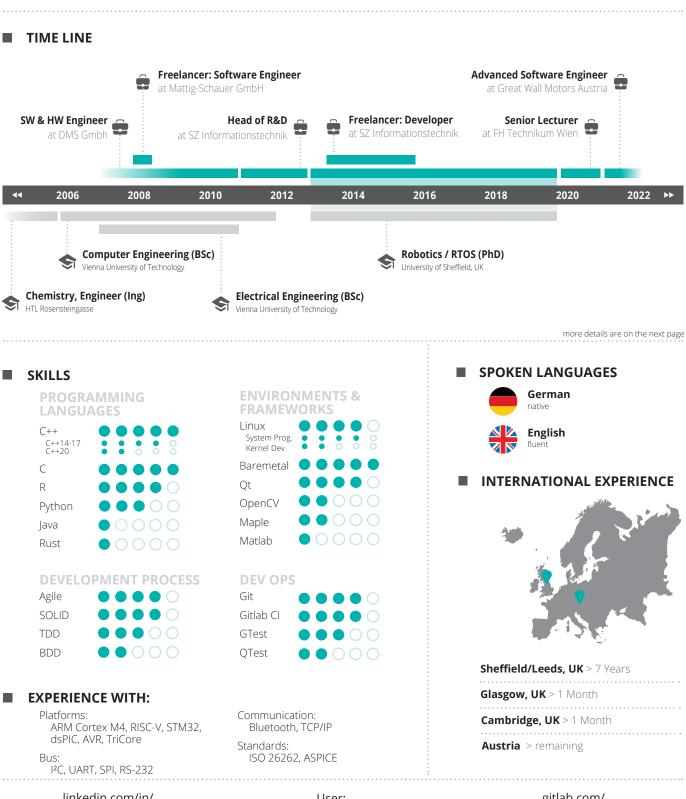
Dr STEFAN TRENKWALDER RTOS and EMBEDDED SOFTWARE ENGINEER

"A hardworking and resourceful engineer who is self-motivated, self-sufficient and comes to you with a strong background in robotics, computer science, and electronic engineering. With the work on RTOSs, he has15 years of experience. He is an agile and test-driven developer following the philosophy: One can only develop fast when developing well." CONTACTS

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- Mollardgasse 48a/1/9, 1060 Vienna, Austria

>10y C & C++ Work Exp. Preferred Lang



in linkedin.com/in/ strenkwalder S User: s.trenkwalder gitlab.com/ Trenkwalder

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Mar 2020 - Today

Kottingbrunn, AT

CONTACTS

GAINED SKILLS

Standards:

ISO 26262

Management:

Large groups

Development

OpenCV, R

Development:

C++, Qt, git Networking/Sockets

Development

C++, Qt, git Networking

Mentoring

A-SPICE

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Process Improvements

Digital Fundamentals

Computer Architecture Digital Circuits

Introduced TDD & Agile Trialed Pair Programming

C & C++ >10v Work Exp. Preferred Lang

Programming: C on Infineon TriCore TDD for Embedded Target

Python for Automation

asking Compiler

Programming:

- RTOS

Research RTOS, Robotics

Other:

Mentoring

Documentation

Project management Client Relations

Negotiation

Architecture

Software and GUI

writing

Other:

API

on ARM Cortex M4

Optical Communication

Project Management Publications

imers, IRQ, GPIO

WORK EXPERIENCE

Advanced Software Engineer Great Wall Motors Austria R&D GmbH

I am developing inverters for electrical motors. This includes:

- Developing architecture & components (AUTOSAR 4.2.2)
- Programming in C, Configuring Modules with ISOLAR-A/B & RTA-Car
- Improving Process and Automation with Pyhton
- Introducing Agile methods and TDD

Senior Lecturer

University of Applied. Sciences Technikum Wien I was teaching:

- Digital Systems and Computer Architecture ٠
- . Hardware-near Software Engineering
- Embedded Systems Software
- My research areas are RTOS, embedded systems, and robotics.

Researcher / PhD Candidate University of Sheffield

Oct 2013 - Mar 2020 • Sheffield, UK

Mar 2014 - Feb 2016

Apr 2020 - Dec 2021

Vienna, AT

My research focused on developing a Real-Time Operating Systems (RTOS) for robots, designing optical communication, and the impact of processing large data sets on swarm robots.

Freelancing: Software Engineer (part-time)

SZ Informationstechnik

I provided bug fixes, updates, and extensions to a cross-platform automatic announcement system (see next).

HEAD OF RESEARCH AND DEVELOPMENT

SZ Informationstechnik

Sep 2011 - Sep 2013 . Vienna, AT

Sheffield, UK

I was a founding member of SZIT and successfully developed a crossplatform automatic announcement system currently used at all subway stations across Vienna.

Software and Embedded Systems Engineer Data and Measurement Services GmbH

Sep 2011 - Sep 2013 .

I developed embedded systems, designed software, and provided support for the client. This work involved interaction with many customers and smaller projects.



Access Hardware Networks

Development

Other: Project management Client Acquisition







References are provided on request

linkedin.com/in/ In strenkwalder

