GUNNAR SCHMIDT

Dipl.-Ing. (M.Sc.) Physikalische Ingenieurwissenschaft

✉ mail@gunnar-schmidt.com

EDUCATION

2012
Thesis
„Stabilization of a Bicycle"
Free University of Berlin
- Control Engineering
- Mechanics and Construction

🌐 https://thesis.gunnar-schmidt.com

2005 - 2012
M. Sc.
Physical Engineering
Technical University of Berlin
- Control Engineering
- Continuum and Structual Mechanics

2004
German Abitur
„Measurement Methods for Determining Erythrocyte Diameter"
Rudolf Hildebrand Secondary School
- Physic
- Math

INTERESTS

GOALS

"Engineering is developing technology; first and foremost, it is to improve quality of life"

With my knowledge, experience, and creativity, I am eager to contribute to your engineering team. My focus is on materializing and realizing forward-thinking innovative ideas through passionate commitment, effective work practices, and achieving optimal results.

EXPERIENCE

09.2024 - 10.2022

System Control Engineer
Clage GmbH Lunenburg

Development of flow-controlled and electronically regulated tankless water heaters for energy-efficient and comfortable hot water supply.

- Develop control algorithm
- Simulate tankless water heaters using Scilab
- Plan and automate tests with Python

01.2022

Founder
MoveIT rocks e.U. Lunenburg

Founding a company for the development of electronic consumer products.

- Web design, marketing, acquiring competitions
- Developing prototype and product design
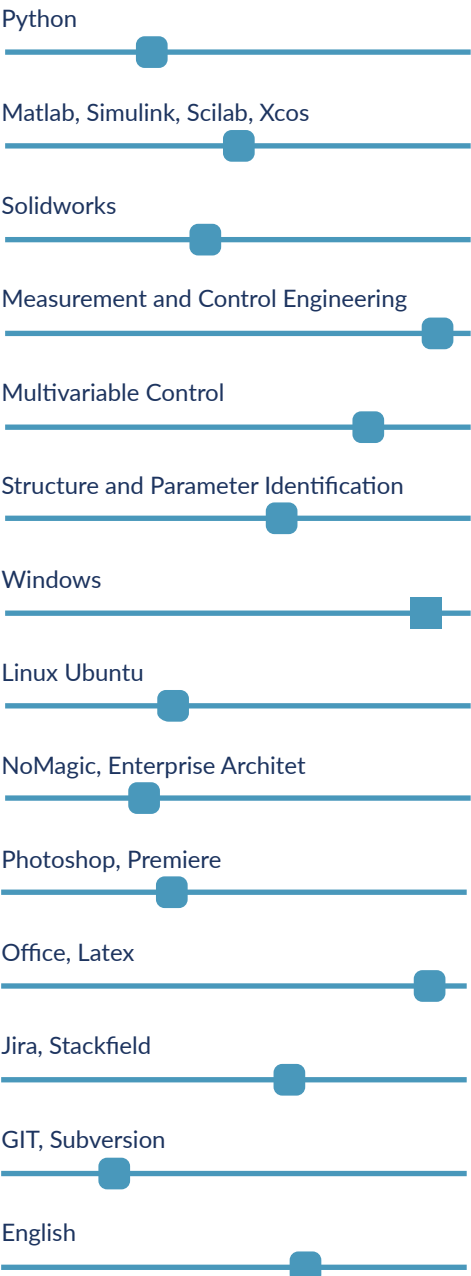- Establishing contacts and managing bookkeeping

🌐 https://vimi.family

03.2021

Parental Leave

SKILLS

Python

Matlab, Simulink, Scilab, Xcos

Solidworks

Measurement and Control Engineering

Multivariable Control

Structure and Parameter Identification

Windows

Linux Ubuntu

NoMagic, Enterprise Architet

Photoshop, Premiere

Office, Latex

Jira, Stackfield

GIT, Subversion

English

INTERNATIONAL

08.2008 - 10.2008
Technical Internship
Brompton Bicycle Ltd London
- Quality Control
- Brazing and Assembly

10.2004 - 10.2005
Voluntary Social Year
Beannachar Camphill Community Aberdeen

EXPERIENCE

02.2021
-
07.2018

Test Engineer
Leoni Kabel GmbH Nuremberg

The Digital Solution Group of LEONI Kabel GmbH focuses on the development and implementation of innovative digital solutions and technologies to optimize products and processes in the field of cable and connection technology.

- Build automated test bensches (HiL)
- Conduct system tests with Python
- Assemble toolchain with RestAPI
- Specify system requirements with PTC Integristy, Enterprise Architect, and HELIX ALM
- Derive functional requirements of embedded hardware into system architecture using Systems Modeling Language (SysML)

06.2018
-
01.2016

Development Engineer
Electrolux Rothenburg GmbH

Electrolux Rothenburg GmbH is globally responsible for innovation in the cooking sector as well as for the manufacturing of high-quality ovens and cook-tops.

- Lead technical innovative projects for cooktops
- Build prototypes and conduct tests
- Plan projects and create test plans

12.2015
-
02.2013

System Control Engineer
Electrolux Rothenburg GmbH

- Adapt control algorithms based on thermal lab experiments
- Identify oven system using Matlab / Simulink

06.2010
-
12.2008

Working Student
Institut für Werkzeugmaschinen und Fabrikbetrieb Berlin

- Simulate flow polishing processes using ANSYS Fluent
- Develop process models for highly viscous flows

Gunnar Schmidt   Lunenburg, August 2024