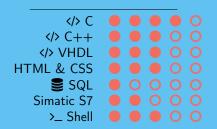


CONTACT

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 □ +49 160 45 72 775
 - **⋪** business@thilo-wendt.de

PROGRAMMING LANGUAGES

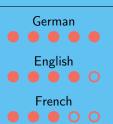


TOOLS

7 Altium Designer and EAGLE



LANGUAGES



THILO WENDT CV

>>> EDUCATION

Master Project: Development of an FPGA based value acquisition system for power electronics

Nuremberg Institut of Technology Since 12/2020

- Parallel operation of ADCs with a Xilinx UltraScale+ SoC FPGA
- Digital signal processing of oversampled signals in hardware

Master Applied Research in Engineering Sciences

Nuremberg Institut of Technology Since 10/2019

- ▶ Hardware development for an SoC-FPGA based real-time processing system
- Academic education in system engineering focused on HW-SW co design

Master Project: Development and Optimization of PCBs with Altium Designer

Nuremberg Institut of Technology 10/2019 - 06/2020

- Development of an extension board for a real time processing system
- Revision of the main board of a real time processing system

Graduated as B. Eng. Electrical Engineering and Information Technology (1.6)

Nuremberg Institut of Technology 10/2015 - 09/2019

- Bachelor thesis: Development of an LED-based lighting unit for trains
- Focus: System design of embedded systems including PCB design

Professional education in automation engineering (IHK) (91 of 100 points)

Siemens 08/2015 - 08/2018

Training in manual skills for the buildup of automated industry facilities

Training in programming of SIMATIC S7 Systems

School and Abitur

Gymnasium Isernhagen 09/2010 - 07/2015

- ▶ Graduated with focus on nature sciences and mathematics with a final grade of 1.4
- Engagement in several work groups, e.g. sound and light for theater

>>> EXPERIENCE

Tutorials for students

Nuremberg Institut of Technology 10/2016 - 01/2018

- Subjects: Electrical measuring, microcomputers, fundamentals of electrical engineering
- Gained skills concerning presentation techniques and group leading

International internships on power plant construction sites

Siemens 07/2017 - 07/2018

- Internship in the UAE (2017) and in Egypt (2018)
- Gained field experience concerning real world requirements of technical systems

>>> SIDE PROJECTS



Woodworking and maintenance of bicycles



Rowing (2010 - 2019) and Triathlon (2019 - now)



Setup and maintenance of a Docker based Nextcloud and an online community (website, forum and wiki)



Singer and bassist in several bands (2010 - 2017)