



CONTACT

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PROGRAMMING LANGUAGES

</> C	●	●	●	●	●	○
</> C++	●	●	●	●	○	○
</> VHDL	●	●	●	○	○	○
HTML & CSS	●	●	●	○	○	○
SQL	●	○	○	○	○	○
Simatic S7	●	●	○	○	○	○

TOOLS

⚡ Altium Designer and EAGLE
● ● ● ● ● ○

🔗 git and SourceTree
● ● ● ● ● ○

🐳 Docker
● ● ● ● ● ○

>_ Terminal (Linux and Mac)
● ● ● ● ● ○

LANGUAGES

German	●	●	●	●	●
English	●	●	●	●	○
French	●	●	●	○	○

THILO WENDT | CV

»»» EDUCATION

Master Applied Research in Engineering Sciences **TH-Nuremberg/Institut ELSYS**
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 **TH-Nuremberg/Institut-ELSYS**
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) **TH-Nuremberg Georg Simon Ohm**
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 **TH-Nuremberg Georg Simon Ohm**
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

- 🚣 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)