# THILO WENDT | CV

## ›››  EDUCATION

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| Master Applied Research in Engineering Sciences | **TH-Nuremberg/Institut ELSYS**<br>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

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| Master Project: Development and Optimization of PCBs with Altium Designer | **TH-Nuremberg/Institut-ELSYS**<br>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

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| Graduated as B. Eng. Electrical Engineering and Information Technology (1.6) | **TH-Nuremberg Georg Simon Ohm**<br>10/2015 - 09/2019 |

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

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| Professional education in automation engineering (IHK) (91 of 100 points) | **Siemens**<br>08/2015 - 08/2018 |

- Training in manual skills for the buildup of automated industry facilities
- Training in programming of SIMATIC S7 Systems

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| School and Abitur | **Gymnasium Isernhagen**<br>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

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| Tutorials for students | **TH-Nuremberg Georg Simon Ohm**<br>10/2016 - 01/2018 |

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

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| International internships on power plant construction sites | **Siemens**<br>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)

## CONTACT

- Voltastr. 65, 90459 Nürnberg
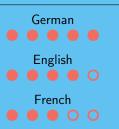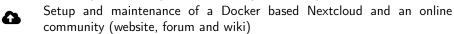- +49 160 45 72 775
- business@thilo-wendt.de

## 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