

## Name

Uni  
Degree  
Nationality

Address

☎ Tele Nr.

in : linkedin ID here

🐙 GitHub Profile: ReiErt

✉ reillyertjobs@gmail.com

## EDUCATION

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- **Uni name** **03.2024**  
*Computer Engineering, Bachelor of Science* 3.1 GPA
- **Uni2, if needed** **2013**  
*Language Studies, Bachelor of Arts* 3.5 GPA

## WORK EXPERIENCE

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- **Work1** **09.2023-03.2024**  
*Roll1* Location
  - Description1
  - Description2
- **Maschinenfabrik Reinhausen** **09.2022-09.2023**  
*Internship in FPGA Development in Power Electronics Department* Location
  - Develop FPGA IP on bare metal in VHDL for synthesis on a Xilinx Zynqberry SoC.
  - Test via software: Write testbenches and validate via Modelsim simulations.
  - Optimise place & route. Automate bitstream generation with Vivado.
  - Hardware testing with oscilloscope & logic analyser.
- **Owayo GmbH** **2013-2016 and 2017-2022**  
*Translator and Order Manager* Location
  - Translate. Front end programming in html.
  - Coordinate product sales and production for English and German speaking customer base.

## PROJECTS

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- **Project1** **03.2024**  
*Short description of project*
  - Tools & Tech Used: Modelsim, Vivado, Linux Kernel, Quantis PCIe (Quantum Generator), C, Python
- **Sinewave Generator FPGA IP from Block RAM and Cordic Algorithm** **02.2023**  
*Analogue Sinewave Generator in desired Frequency*
  - FPGA IP is used in Load Tap Changer.
  - Tools & Tech Used: Zynqberry SoC, Oscilloscope, Logic Analyser, Vivado, Xilinx SDK, Modelsim, Python
- **30x30 LED Arcade Board with WIFI and Custom Games** **06.2023**  
*Student Project*
  - Meet timing constants. Validate PHY. Build bridge between hardware & software.
  - Tools & Tech Used: ESP32 Microcontroller, RTOS, C++, Oscilloscope, VSC, Logic Analyser

## SKILLS AND INTERESTS

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**Developer Tools and Frameworks:** RTOS, Xilinx SDK, Vivado, ISE, Modelsim, VSC, Git, Jira, LaTeX, Linux, CLI  
**Programming/Script Languages:** C, C++, VHDL, Python, TCL, Matlab, x86 \_Assembly, SQL, Bash  
**Languages:** French: Intermediate - English/German: Native

City, the 13th of March, 2024

