Lichuan Qin
Leopoldstraße 204
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+49 (0)176 58937387
Lichuan.qin@tum.de

## PERSONAL DETAILS

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|---|---|
| Surname, First name: | Qin, Lichuan |
| Born: | 21. September 2002 in Shanghai |
| GitHub: | [Ayron1929](Ayron1929) |

## EDUCATION

**Since Apr 2024**

**M.Sc. Electrical Engineering and Information Technology**
Technical University of Munich (TUM), Germany

- Specialization in the areas of: Electronic Circuits and Systems, Embedded and Computer Systems
- Main course contents: Fundamental semiconductor process technology and devices, essentials of analog CMOS and digital integrated circuits design, timing analysis and testing of digital circuits, embedded systems design and security

**Oct 2020 – Mar 2024**

**B.Sc. Electrical Engineering and Information Technology**
Technical University of Munich (TUM), Germany

- Thesis at Chair of Circuit Design: *Analysis and Verification of Stress Dependence of Silicon Chips Embedded in Polymer Foils on Chip Thickness* (Grade: 1,7)
- Engineering Practice at Chair of Electronic Design Automation: Code Generator For Instruction Monitoring

## EXPERIENCE

**Jan 2023 – Oct 2023**

**Working Student E-mobility Development in Automotive Industry**
ARRK Engineering GmbH, Munich

- Project: EoL-Test Automation of HiL-Boxes
- Used CanEasy to import and export of DBC files including configure messages within CAN/CAN FD buses, to monitor and analyze real-time data flow of boxes, and to setup hardware devices for testing
- Contributed to the team by developing CAPL programs to generate HTML test reports and integrating them into CanEasy as plugins
- Created and documented other HW/SW solutions to realization of fully automated testing which increased efficiency and reduced costs significantly

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## SKILLS

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|---|---|
| Industrial Tools and Software | • Use of COMSOL and MATLAB for the bachelor's thesis<br>• Experience with LTspice, Git, CMake, LaTex, and Vivado at university<br>• Application of CanEasy in testing process |
| Coding Expertise | • Embedded programming in C<br>• Use of Python for the engineering practice<br>• Modeling of digital circuits in VHDL<br>• Scripting in CAPL to write test cases |
| General IT Know-hows | • Proficiency in MS Office and Adobe<br>• Familiar with multiple operating systems: Mac, Windows, and Linux |
| Languages | • English – C1 to C2 in TUM English course placement test, most courses of the master's program in English<br>• German – C1 in DSD2, most courses of the bachelor's program in German<br>• Chinese – Native |

## INTERESTS

Keen photographer, traveler, and video editor, who regularly posts on social media
- Instagram: ayron1929
- YouTube: @Ayron1929
- Xiaohongshu: ayron

Munich, 30 May 2024