

Lichuan Qin
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PERSONAL DETAILS

Surname, First name: Qin, Lichuan
Born: 21. September 2002 in Shanghai
GitHub: [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

SKILLS

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|--------------------------------|---|
| Industrial Tools and Software: | <ul style="list-style-type: none">• Use of COMSOL and MATLAB for the bachelor's thesis• Experience with LTspice, Git, CMake, LaTeX, and Vivado at university• Application of CanEasy in testing process |
| Coding Expertise: | <ul style="list-style-type: none">• Embedded programming in C• Use of Python for the engineering practice• Modeling of digital circuits in VHDL• Scripting in CAPL to write test cases |
| General IT Know-hows | <ul style="list-style-type: none">• Proficiency in MS Office and Adobe• Familiar with multiple operating systems: Mac, Windows, and Linux |
| Languages | <ul style="list-style-type: none">• English – C1 to C2 in TUM English course placement test, most courses of the master's program in English• German – C1 in DSD2, most courses of the bachelor's program in German• Chinese – Native |

INTERESTS

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

