Sihang Wu

Date of birth: 14/03/2001 **Gender:** Male **Email address:** wu.sihang@gmx.de

EDUCATION AND TRAINING

Master of Science

Technical University of Munich [01/10/2023 – Current]

City: München | **Country:** Germany | **Field(s) of study:** Comuncation and Electronics Engineering | **Final grade:** 1,8(1.0 full)

Bachelor of Science

Duisburg-Essen Uni [01/10/2020 – 01/10/2023]

City: Duisburg | **Country:** Germany | **Field(s) of study:** Electrical and Electronic Engineering | **Final grade:** 2.0(1.0 full)

Bachelor of Science

Zhengzhou University [01/09/2018 – 01/09/2020]

City: Zhengzhou | **Country:** China | **Field(s) of study:** Electronic Information Engineering | **Final grade:** 3.3(4.0 full)

WORK EXPERIENCE

Student Technician in Testing and Repairs

Sunlit Solar [01/08/2024 – 01/02/2025]

City: Garching b. München | **Country:** Germany | **Name of unit or department:** Operation and Technical Department

- **Test & Measurement with multimeters, oscilloscopes, and adjustable power.** Utilized tools to monitor and troubleshot circuit performance, including charging/discharging behavior.
- **Soldering.** Performed wiring and PCB assembly using a soldering iron, ensuring reliable joints and connections.
- **Assembly & Disassembly.** Employed specialized screwdriver sets for battery product components assembly and disassembly.

Software developer

HUAWEI [15/02/2023 – 01/08/2023]

City: Düsseldorf | **Country:** Germany | **Name of unit or department:** Consumer Cloud Service European Operations Center

- **Developed website using HTML, JavaScript, Bootstrap, and WordPress.** The website is used to download the apk file massly and automatically, with the ability to skip the website's robot recognition, process the website's button and text interactions.
- **Handled data in Python and SQLite.** The results, duration and progress can be automatically stored in DB.
- **Collaborated on projects using Git/Github and Docker.**

PROJECTS

[15/05/2023 – 01/09/2023]

Condition Monitoring of Vehicles

In the Bachelor's thesis, I integrated the STMicroelectronics ASM330LHHX sensor (featuring a gyroscope, accelerometer, and on-board Machine Learning Core) with the Texas Instruments INA228 current/voltage sensor via I^2C. The system applies a decision tree algorithm for real-time vehicle motion detection and measures overall power consumption, providing insights for subsequent energy optimization.

LANGUAGE SKILLS

Mother tongue(s): Chinese

Other language(s): English-IELTS 6.5 | German-Telc B2

SKILLS

Python / C/C++ / VHDL / Matlab / SQLite