

[Working Student] Electronic Engineer (f/m/x)

[Hardware Dev] [10-20 hours/week] [Flex working hours] [Hamburg] [Remote] [15-20 €/h]

About us

M2 Tech is a Hamburg-based startup on a mission to save 1,069,000 tonnes of CO2 emissions yearly which is as much as all emissions from commercial aviation worldwide. We are building a smart greenhouse gas measurement platform with portable sensor technology for energy companies that have to quantify, report and reduce methane emissions.

We are at the beginning of building a team of best-in-class talents, to solve this challenge, and tackle climate change!

Your responsibilities

- Programming micro-controllers
- Design and solder electronic boards
- Build early prototypes with a hands-on mentality
- Support the hardware team with selecting and testing the right electronic parts such as sensors, pumps and batteries
- Work closely with the leadership and founding team to support the company's hardware product vision

Education

- **Bachelor degree in electronic engineering** (ideally first or second semester of master studies)
- Alternatively, similar degree in a closely related field

Technical Skills

- Excellent theoretical and practical experience in electronics/software with emphasis on **micro-controller programming** and **PCB design (Eagle or similar)**
- Hands-on experience
 - working with **Arduino/ESP32/STM chips** or similar
 - with soldering, manufacturing and assembly of hardware
- Knowledge of
 - sensor communications using **UART, I2C and Bluetooth** [required]
 - motion sensors (6 or 9 axis) [bonus]
 - Python [bonus]

Other Skills and Personality Traits

- Self-starter with entrepreneurial spirit e.g. working on own hardware projects at home or in extracurricular university-teams
- Proven presentation and writing skills to effectively communicate technical concepts and ideas
- Proficient in English [German is not required but a bonus]

What we have to offer

Even part-time as working student, you'll play a crucial role in our team developing and implementing innovative technology solutions to reduce methane emissions in the oil and gas industry. You'll work closely with our founding team and industrial experts to develop cutting-edge technology that can make a real difference in the fight against climate change.

But working with us isn't just about making a difference - it's also about personal and professional growth. We offer personal development opportunities to all our team members, as well as team trips and other perks to help you build meaningful connections with your colleagues and expand your horizons.

In our competitive environment, you'll have the chance to challenge yourself and push the boundaries of what's possible. But we also understand the importance of work-study-life balance, which is why we offer a lot of flexibility and mobility budgets to help you get out and explore the world around you.

If you're ready to join a dynamic team of passionate individuals who are committed to making a positive impact on the world, we want to hear from you. Help us tackle one of the most pressing environmental challenges of our time. Please contact Matthias, co-founder and CEO, directly: matthias@m2-tech.io