

# Laboratory Assistant Intern/Working Student (f/m/d)

Full or Part-time, Flexible Hours

## What we do:

At MAGNOTHERM, we are developing a **revolutionary refrigeration technology** based on magnetic materials. Our vision is to provide the **cleanest and most sophisticated** cooling and heating solutions for everybody to reduce climate impact and costs. We are able to reduce 40% of energy demands and **eliminate 100% of direct greenhouse gas emissions** from cooling and heating appliances. Founded in 2019, our start-up is a spin-off from Technical University of Darmstadt. We have developed a **patented material technology** to make magnetic refrigeration effective and affordable. This enables us to build the most superior refrigeration systems for commercial and industrial applications. We are currently revolutionizing and challenging **commercial refrigeration systems** for room-temperature and ultra-low temperature applications.

## Who we are:

We are material scientists, chemists, physicists (and so on...), a lot of engineers, and product as well as graphic designers. We are a young and up-and-coming team of bright minds with diverse backgrounds. We love playing Wordle during lock down and drink beer together, if Covid lets us. We argue about social injustice, the latest computer games, and food trends. Basically, we are pretty human.

## Why you should join us:

We believe in science; we believe in the facts. Climate change is speeding up more than ever and we need to do something about it. We are convinced that we need better technologies in order to overcome this tremendous challenge – or more precisely: this tremendous threat to humanity.

We are on a mission to decarbonize the refrigeration industry and reduce the 8% overall emissions caused by the 5 billion cooling devices currently deployed.

We are looking for a motivated intern or working student who helps us in investigating our materials in a so-called Delta-T measurement device. This device measures the temperature change of materials in a magnetic field as a function of the starting temperature.

## What you will be doing here:

1. You will be performing Delta-T measurements on various materials and will be assisting in optimizing the device.
2. You will plan projects and design experiments.
3. You will perform data evaluation and management.
4. You will help us test magnetically cooled drinks.

## What you would ideally bring to the table:

1. You are curious to work in a start-up
2. You are enrolled at a university or college or have just graduated from school.

## MAGNOTHERM.

3. Ideally you have experience with programming, especially with python and C++ (Arduino Frame work)
4. You are motivated to work in an interdisciplinary subject with a reliable and independent work ethos
5. Your English skills are better than "only understanding train station".

### **What you will get from this job:**

1. The opportunity to work in our HQ in Darmstadt.
2. You will be part of an extraordinary team of bright minds with diverse and international backgrounds working on the forefront of climate tech.
3. This is the chance for you to take responsibility and grow as a person in an environment, where mistakes are embraced in order to learn faster.
4. You will work closely with the founders and learn how a start-up grows over time.
5. Lots of humorous memes.

### **What you should do now:**

1. Send us your CV to [benke@magnotherm.com](mailto:benke@magnotherm.com), [wochner@magnotherm.com](mailto:wochner@magnotherm.com) and [jobs@magnotherm.com](mailto:jobs@magnotherm.com)(no pictures, names, birthdates needed in there).
2. If available share a link or a short description of a reference project in the email.