AGING PREDICTION WITH CALORIMETRY

Internship (m/w/d)

Your profile

- Good understanding of functional principles of Lithium-ion cells and degradation processes
- Experience with standard testing techniques (dQ/dV, check-ups, cycling, etc.)
- Experience with Python and data analysis is a plus
- Responsible and team-oriented way of working
- Enrolment in Electrical/Mechanical/Chemical Engineering or similar

Who we are

We are a young deep-tech start-up with a focus on efficient and inexpensive battery production. Our mechatronic measurement equipment allows 90% faster and more accurate quality assessment of lithium-ion cells. Our outstanding products rely on simulation-aided mechanical design, Industrial Internet of Things (IIoT) and Data Science. We organize our work based on short and improvement driven development sprints. You are highly enthusiastic about technology, and you want to solve relevant problems? - We too!

Your tasks

You will focus on a screening experiment that identifies critical voltages of Lithium-ion cells, which cause accelerated aging behavior. Therefore, you will start with literature research and preparation of your experiment. It will include initial cell characterization and adjustment of our test equipment. According to your Design of Experiment (DOE), you conduct all measurements in our lab. Finally, you evaluate the data using Python frameworks and critically discuss the results.

Interested?
Send your application:
Ilya Zilberman
jobs@crino.de

crino GmbH
Frankfurter Ring 193a
80807 Munich