



Hardware Engineering Intern - JOB ID: 122229

Location: Le Mont-sur-Lausanne

We make the energy transition work work. Every day, we work to improve people's lives and the environment by providing intelligent power management solutions and services that enable our communities to take action to decarbonize now.

Transitioning our communities to a reliable and accessible energy infrastructure that is no longer dependent on carbon takes the passion of every employee around the world. We create an environment where creativity, invention and discovery become reality, each and every day. It's where bold, bright professionals like you can reach your full potential—and where you can help us reach ours.

Would you like to make a difference working for a global and ethical company? Join us today. We make what matters work. To find out more about us check: https://www.youtube.com/watch?v=baa_aiJ4L7E

As a **Hardware Engineering Intern in our Power Electronic Engineering team**, your job will be to create a complete power converter fault tree based to improve monitoring and prepare for future predictive maintenance solutions to be setup.

Your main responsibilities:

- Understand the functional behaviour of a DC charging station
- Build the complete fault tree with associated failure causes
- Set up and make sure that all error codes are univocal and allow exact determination of the fault
- Gather and analyze data from real life operation of chargers

Your essential skills we are looking for:

- Very good knowledge of power electronics conversion and low voltage electronics
- Knowledge of AC/DC and DC/DC conversion principles
- Fluent in English, French is an asset
- Open minded
- Capable of integrating into a dynamic environment

What we offer to you:

- **Be part of the future of electric mobility**
- **Challenging projects in a dynamic and collaborative team**
- **Flexible working solutions** (home office, remote, flexible working hours, part time etc.) are implemented across different EMEA locations, check with the site HR what type of flexible working solution is available for this role.
- **We make ethics and culture matter** – You will enjoy working in supportive and collaborative workplace where ethics and safety are in our DNA
- **We make your perspectives matter** - Different points of view are what drive innovation and collaboration, and at Eaton, innovation begins with top-to-bottom diversity. Our senior leadership is made up of individuals from diverse groups to help create an environment where employees feel represented and heard at every level.
- **We make your aspirations matter** – Eaton encourages internal promotion, whenever possible



- **We make your growth matter** - We invest in our employees for the long term – not just with salary and benefits, but with ongoing learning and development opportunities made available through Eaton University
- **We make your contributions matter** - reliability, safety, efficiency, and sustainability are at the core of our dedication to improving people's lives and the environment through power management technologies.
- **We make your wellbeing matter** – We put your health and safety first. Wellness at Eaton is more than a program, it's about changing the environment by offering the right tools to help empower employees to make that happen
- **We make your voice matter** - we value safety and trust. This is a place where you can speak up and be heard. There's room here for everyone because we believe that every person matters.
- **Join the Electric Revolution!** - eMobility is the new frontier of electrical and mechanical power and we need all hands-on deck. You can help develop the workings behind Eaton's eMobility department and create the landscape for the future of the world's transportation through power and electrical grid management. Join our team of highly skilled and innovative engineers.

About Eaton:

Eaton's mission is to improve the quality of life and the environment through the use of power management technologies and services. We provide sustainable solutions that help our customers effectively manage electrical, hydraulic, and mechanical power – more safely, more efficiently, and more reliably. Eaton's 2020 revenues were \$17.9 billion, and we sell products to customers in more than 175 countries. We have approximately 92,000 employees. For more information, visit Eaton.com

We are committed to ensuring equal employment opportunities for job applicants and employees. Our recruitment processes use balanced selection criteria and avoid unlawful discrimination against applicants on the basis of their age, colour, disability, marital status, national origin, gender, gender identity, genetic information, race or racial origin, religion, sexual orientation or any other status protected or required by law.