




Battery Electronic Development Engineer (M/F)

 **Job Title:** Battery Electronic Development Engineer (M/F)

 **Company:** Entroview

 **Location:** Grenoble or Paris, France

 **Employment Type:** Full-Time Permanent Contract

About Entroview :

ENTROVIEW is a deeptech start-up, supported by BPI and Grenoble INP, which has set itself the mission of making Li-ion batteries intelligent for energy storage and mobility. We aim to make batteries safer, more efficient, and environmentally sustainable.

To do this, we carry out and exploit entropy measurements on Li-ion batteries using a patented method, then we use this data for diagnosis, characterization, and predictions.

After 6 years of research, we founded the company in July 2021, and we continue to grow to implement the next steps of applied research that will lead to the development of battery management software.

Responsibilities:

- Responsible for implementing a data recovery system from batteries/modules (BMS/CMC, etc).
- Setting up a battery control system via communication protocols (CAN bus).
- Retrieve, process and analyze data to apply it to an algorithm.
- Responsible for defining the architecture and interfacing with the existing system.
- Optimizing an algorithm for cells for its application on a battery pack.
- Analyze battery data to identify patterns, outliers, and other critical factors that can influence the estimation of the State of Charge and health of the battery (SOC-SOH).
- Maintain complete documentation of models, algorithms, and tests, to ensure clarity and ease of understanding for future references and use.

👉 Prerequisites:

- Holder of a master's degree in electrical engineering, applied mathematics, systems engineering, automatic or in a related field, with two years of experience as an electronic system engineer or in power electronics, ideally in the automotive sector.
- Necessary experience with communication protocols such as RS232 / USB / Ethernet, especially CAN.
- Hands-on experience or great familiarity with Python, C and embedded systems.
- Strong skills in analysis and problem solving, with the ability to work on complex algorithms and models.
- Experience in handling and analyzing data, preferably in Python.
- Critical thinking, attention to detail and ability to work independently and as part of a team.
- Excellent communication skills, with the ability to clearly convey complex technical information in English.

🏗️ Technical Stack:

- Communication protocols (CAN..)
- Python, C , C++
- Embedded system
- Matlab, Simulink

🌟 Benefits:

- Gain hands-on experience in a rapidly evolving start-up environment.
- Work alongside a diverse and talented team of battery industry experts.
- Opportunity to make a significant difference in the sustainability and clean energy sector.
- Flexible working hours to reconcile personal commitments.
- Hybrid working
- Attractive remuneration depending on the profile
- BSPCE plan for employees

➡ **Process:** A 30-minute telephone/visual interview will be conducted to validate the application. Then, there will be a technical interview with one or more technical managers, followed by a physical interview of one hour with the two founders.

So, what are you waiting for? Join us and be part of the energy revolution! This job opportunity is available from April 2024 and offers a unique chance to grow and develop as an R&D engineer in a future-oriented startup.

To apply, please send your CV to recrutement@entreview.com, specifying the job title in the subject of the email. We look forward to receiving your application and welcoming you to the Entreview team!

