

Software & Electronics Engineer Internship

Company: LMX Bikes

Date posted: 23rd October 2023

Sector: Software & Electronics

Location: Jonage (France)

Start Date: ASAP

Contact: <https://lmbikes.atlassian.net/servicedesk/customer/portal/5/group/7/%20create/60>

Who we are, What we do

Spark x LMX's DNA is to look far ahead, anticipate, and think out of the box by bringing its resources and people together in order to develop 360° engineering Electric Mobility solutions of today and tomorrow at a Motorsport level.

Overview Of The Position

Spark x LMX are seeking a talented "Software & Electronics Engineer". She/he will be assigned to LMX Bikes projects.

Based in Jonage, she/he will join the Software & Electronics Team to contribute to the development of LMX Bikes products, speed bikes, lightweight motorbikes, and other electric lightweight vehicles.

Depending on the results of the internship, it may lead to a permanent position in the team where we currently face important needs.

Main Responsibilities

- Design, develop, and test software
- Define specifications for electrical systems (Battery, Inverter, Electrical Machine, Infotainment, Lighting, Sensors, ...)
- Insure Software/Hardware integration for electrical systems
- Managing and implementing validation for electrical systems with design of test bench
- Teamwork to validate the overall performance of the products (systems, full vehicle, ...)

Profile

- 3rd to 5th year of Engineering degree or equivalent in Software & Electronics Engineering or Mechatronics
- Software experience - personal projects, internship, C++, VBA, LabVIEW, Matlab/Simulink,...
- Electronics experience - personal projects, internships, Communication protocols (CAN Bus, Bluetooth, ...), looms and hardware design ...
- Technical knowledge: Electric Machine, high and low voltage electrical and electronic systems, embedded systems, ECU calibration, control systems
- Fluent in French & English, spoken and written