Bordrin, an international Automotive company that is redefining smart mobility, might have what you want. At Bordrin we strive for continuous technology integration and innovation. With electric vehicles as the core of our business, our aim is to deliver multi-dimensional solutions on smart mobility, mobile energy and shared economy. Through self-developed, pure electric drive platforms that feature our unique battery, electric drive system and control technologies, we are committed to strengthening China’s stature in smart manufacturing.

Our US Office, located in Oak Park, Michigan, is currently looking for an **ADAS Hardware Engineer**.

**Responsibilities:**
- Develop the hardware of the computing unit for the next-generation advanced driver assistance systems (ADAS) and autonomous driving (AD)
- Design circuit and layout of the ADAS computing unit and conduct engineering analysis (FuSa, FMEA, FTA, WCA)
- Conduct verification and validation tests and resolve hardware issues
- Integrate the developed hardware with software and system and develop vehicle-level demonstration of ADAS features
- Liaise with Tier-1 suppliers and Bordrin’s global team to develop ADAS sensors and ECU that meet Bordrin requirements and specifications
- Develop functional safety process and contribute to functional safety development of ADAS and related systems.
- Create hardware documentation including HW-SW interface document and interface control document (ICD)

**Qualification:**
- BS Degree in Electrical Engineering, Computer Science, or Engineering degree
- Minimum 5 years of related engineering experience
- Minimum 3 years of hands-on experience with hardware development in AD & ADAS electronics products
- Strong background in high-end microprocessor, SoC and GPU
- High-density & multi-layered PCB layout design
- Working knowledge of OEM and Tier1 product development, validation, manufacturing, quality assurance processes
- Digital and analog circuit and layout design
- Hands-on experience with communication protocols used in automotive industry (CAN etc) and hardware test equipment (Oscilloscope, Multimeter, Logic Analyzer, Spectrum Analyzer, CANoe)
- Ability to work effectively & independently with internal and external team members in global & cross-disciplinary environment
- Strong technical, written, verbal, and presentation skills

**Preferred Qualifications:**
- Master of Science degree in Electrical Engineering, Computer Science, or Computer Engineering
- Minimum 7 years of related engineering experience
- Minimum 5 years of hands-on experience with hardware development in AD & ADAS electronics products
- PSpice circuit simulation, power and signal integrity analysis, thermal and strain analysis
- Trained and certified with ISO26262 Functional Safety Standard
- Engineering analysis and problem-solving techniques (DFMEA, FTA, 8-D, 5-Why, DoE, Fish-bone analysis)
- Experience in working with ADAS sensors (vision, radar, Lidar and ultrasonic)
- Knowledge of chassis and powertrain systems
- Experience in automotive embedded system
- Vehicle-level EE architecture

**Requirements**
- Domestic & International Travel <15%

Bordrin is committed to creating a diverse environment and is proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.
Apply by uploading your resume in three easy steps, send us an email at more@bordrin.com or apply using your LinkedIn profile!

*This position is not open to 3rd party recruiters*
https://www.bordrin.com/en/join-us/?rpid=lbbiPql6kmU