N Robotics

Embedded Systems / Firmware Engineer for Mobile Robotics

⊙ Berlin, Germany   🗄 Employee   🗀 Electrical Engineering

We at N Robotics are an innovative deep-tech venture dedicated to revolutionizing the future of robotics. We specialize in designing and manufacturing cutting-edge mobile robots that are transforming industries across the globe. Currently, our all-star team consists of 15 people including former founders, robotics and AI engineers from leading tech hubs.

Now is the perfect time to join – we move fast, take responsibility, value sustainability and are just getting started. We believe in hiring driven people who want to make an impact. So bring your best and let's build the future together.

Tasks

- Development of embedded systems and low-level firmware for our autonomous robotic platforms

- Design and implementation of real-time firmware for microcontrollers (e.g. STM32, ESP32, etc.)

- Bring-up and integration of new hardware components (sensors, motor controllers, communication interfaces, etc.)

- Design and development of schematics and PCB layouts for embedded control boards

- Selection and integration of components with consideration for size, power efficiency, and cost

- Debugging, testing and performance tuning of embedded systems using lab equipment (oscilloscope, logic analyzer, multimeter, etc.)

- Support in the transition from prototype boards to production-ready hardware

- Close collaboration with interdisciplinary teams across electronics, mechanics, and software

Requirements

- A degree in electrical engineering, computer engineering, embedded systems or comparable background

- Solid experience in C/C++ for microcontrollers and embedded development

- Familiarity with embedded platforms (e.g. ARM Cortex-M, FreeRTOS, Zephyr, etc.)

- Experience in schematic design and PCB layout using tools like KiCad, Altium Designer or Eagle

- Understanding of hardware interfaces (SPI, I2C, UART, CAN) and sensor integration

- A plus: Experience with EMC-compliant design, motor drivers, and low-level control algorithms

Benefits

Aside from our team & culture, there are more reasons that make N Robotics a great place to work! Work with us and receive:

- Be a part of a dynamic and growing company that is pushing the boundaries of robotics

- Work on innovative and impactful projects that shape the future of industrial automation

- A competitive salary, 30 days of vacation, regular team events, rapid career development opportunities and free use of our 3D printers, CNC mills, and demo equipment

- Startup vibes with flat hierarchies and close collaboration with our founders

- The opportunity to actively participate in shaping the company's future and realize your ideas and projects

If you are excited about making a significant impact in the robotics industry while being part of a dynamic team, we would love to hear from you.

At N Robotics, we strive to have a diverse team that represents the community. Since studies have shown that women and people of colour, in particular, are less likely to apply for jobs if they don't meet every single qualification, we want to encourage these groups of people: If the job excites you, but your previous experience doesn't perfectly match the qualifications we're looking for, we're still very happy to receive your application! What counts for us is the motivation behind the application as well as the openness to learn new things. We also explicitly want to encourage people of different nationalities, regardless of their cultural and social background, age, religion, gender, or sexual identity to apply.

N Robotics

👥 11-50 employees   📁 Technology, Information and Internet

Transforming the way you collect and analyse data with cutting-edge mobile robotics and AI.

🌐 Website   in LinkedIn   ✖ Xing

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