

Software Engineer & AI Developer (m/f/x)

LOCATION
Hefei

COMPANY
ARRK Engineering Co. (Shanghai) Ltd.

TYPE OF CONTRACT
Full-time

START
27.10.2026

YOUR RESPONSIBILITIES

- **Software & AI Development**

  •Develop and maintain software solutions using Python, C++, and modern web technologies •Evaluate and integrate AI applications and Large Language Models (LLMs) such as Microsoft Copilot, Claude, and similar solutions •Design and implement data logging, automation, and analysis tools in Python •Develop firmware and software for sensor boards using C++ •Create and maintain modern web user interfaces using HTML and TypeScript
- **Embedded Systems & Hardware**

  •Program and test microcontroller-based systems, including Arduino and RP2040 platforms •Support the design, integration, and validation of electronic hardware •Troubleshoot hardware and software systems •Perform electrical measurements and signal analysis using tools such as multimeters and oscilloscopes
- **Measurement Technology & Test Systems**

  •Design, assemble, and operate simple measurement systems and test benches •Perform validation, calibration, and functional testing activities •Operate and maintain reference measurement instruments for environmental and physical parameters like windspeed, humidity, temperature, etc. •Analyze, evaluate, and

YOUR PROFILE

- Degree, vocational training, or ongoing studies in Computer Science, Electrical Engineering, Mechatronics, Automation Engineering, or a related field
- Practical programming experience with Python
- Basic to advanced knowledge of C++ and embedded software development
- Experience with HTML, TypeScript, and web-based application development
- Experience with Arduino programming and microcontroller systems
- Interest in artificial intelligence, machine learning, and modern software tools
- Basic understanding of electrical engineering principles
- Familiarity with laboratory and measurement equipment such as multimeters and oscilloscopes
- Structured, analytical, and solution-oriented working style
- Good communication skills in English

- **Prefered Qualifications**

- Experience with sensors, data acquisition systems, and instrumentation •Knowledge of communication protocols such as UART, I²C, SPI, and CAN

document measurement data and test results

- Experience with Git and modern software development environments
- Familiarity with data analysis and visualization tools
- Experience integrating AI services, APIs, or machine learning applications

YOUR BENEFITS

Exciting projects

Flexible working hours

ARRK Engineering Academy

Attractive salary

Sports and wellness offers

APPLY NOW



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Data protection notice

ARRK Engineering is part of the international ARRK Group and specialized in all services relating to product development. Within the ARRK Group we implement product development from virtual engineering to prototypes and low volume production.