



Working Student: AI Application Engineering (f/m /div)*

Job description

AI and Machine Learning are not only buzz words for you? You are curious about microcontrollers and programming? Apply now and become a part of the Development Center Dresden!

Your new tasks will be about:

AI-related application-engineering on automotive microcontroller systems Data Engineering

- Prototyping & validation of Machine Learning algorithms in software
- Deployment and profiling of Machine Learning applications on embedded hardware
- Data acquisition of suitable training data

Test development

- Setting up HW-in-the-Loop test system
 - Deployment of car simulation framework on real-time processing unit
 - Integration of microcontroller board to closed loop simulation
 - Designing test scenarios for car simulation framework

Tooling/DevOps

- Setting up tooling landscape for
 - simple continuous software integration (e.g. Jenkins)
 - Configuration management for all needed application artefacts
- Integration of first test cases into software integration pipeline

If a single field interests you: apply for one of the proposed items!

At a glance

Location: **Dresden (Germany)**
Job ID: **360814**
Start date: **Sep 01, 2022**
Entry level: **0-1 year**
Type: **Part time**
Contract: **Temporary**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **360814**
www.infineon.com/jobs

Contact

Lina-Marie Minuth
Student Attraction Manager



Profile

As our ideal candidate, you are equipped with the following:

- Enrollment in a technical study field such as **computer science, electrical engineering** or related fields
- **Programming skills**, e.g. C/C++, Python, Matlab/Simulink, Git
- Experience in **data analysis, statistical methods and linear Algebra**
- Familiarity with recent **machine learning concepts and frameworks** such as Tensorflow, PyTorch, Scikit-learn
- Basic know-how about **Microcontroller programming** as a plus
- **Structured and proactive working style**
- Fluent **English knowledge** (German is a plus)

Please attach the following documents to your application:

- CV in English
- Certificate of enrollment at university
- Latest grades transcript
- High school report

Additionally, the following requisites apply for working students:

- **You must be enrolled and not on academic leave:** Proper students (according to German law) are warmly welcome!
- **You should live close to the site:** More than 150 km distance is not recommended for a working student job due to the travel.

Benefits

- **Dresden:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International Assignments; Different Career Paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions in office jobs; Home Office possibilities; Part-time work possible (also during parental leave); Spots in local kindergarden; On-site social counselling and works doctor; Health promotion programs; Fitness Room; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Reduced price for public transport, car sharing, charging station for e-cars and e-bikes; Accessibility, access for wheelchairs

Why Us

Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

The **Development Center Dresden** was launched in 2019 and is growing successfully. Today, a total of 92 top-class experts and young talents from 18 nations are working on research and development of new products and solutions for automotive and power electronics, chip design and verification, characterization of complex systems as well as development of products and solutions with artificial intelligence. In the long term, the Development Centre will employ around 250 people. State-of-the-art research and



characterization labs facilitate R&D activities for automotive applications, electromobility and AI chips of the next but one generation. The Development Center covers the complete development value chain from product and system definition to qualification.

This is the right place for you, if you want to work in a high-tech environment, master challenges of advanced product development, be part of a multicultural team with great spirit and experience a startup-like culture.

[Click here](#) for more information about working at DC Dresden with interesting employee and management insights and an overview with more Jobs at #DCDresden.

** The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.*

