Job description

We are looking for motivated students (f/m/div)* with the willingness to learn new things and work in a challenging environment. This specific job is suitable for students who studying Electrical and Electronics or Computer Engineering.

In your new role you will:

- Experience latest R&D tools and methods (e.g. analog UVM)
- Contribute to the robustness and safety of the electronic circuits in a modern car
- Undertake activities related to different steps in design and verification
- Develop and verify models of analog circuits
- Propose new flows or methods and drive changes including pilot runs and implementations
- Need to be innovative and need to “think out of the box”

Learning outcomes:

- Be exposed to various steps in design and verification in the chip development flow
- Learn about automotive applications, circuits, and requirements
- Support the development of new or improved innovative processes for mixed signal verification
- Gather detailed knowledge about simulation methodologies of mixed signal circuits
- Automation methods in chip design
- Automotive specific safety standards e.g. ISO26262
- Get know how to identify steps required to make change in a practical and achievable fashion
- Improve communication and interpersonal skills through articulating the impact of proposed changes to all major stakeholders
- Learn how to deliver a project in a timely manner and work effectively in an international team

Possibility to apply learnings on a Master-Thesis in the field of mixed signal verification.

Further information:
- **Duration**: Temporary / part-time
- **Starting date**: 01.01.2020 (working permit for Non-EU citizens takes about 6 weeks)

Profile

You are best equipped for this task if you:

- Study Electrical and Electronics or Computer Engineering
- Interested in Mixed Signal Design and Verification methods
- Proficient in documentation and scripting

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Internship: Mixed signal verification for integrated automotive power circuits
• Have basics of **analog and/or digital circuit design**
• Acquired basic knowledge of UNIX environments
• Have good communication and interpersonal skills
• Your mindset is research- and problem solving oriented

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry. Bachelor students receive a compensation of **1,885,--** Euro gross p.m. (Full-time basis for Bachelor students) and Master students receive a compensation of **2,210,--** Euro gross p.m. (Full time basis for Master students).

Please attach the following documents to your application:

• Motivation letter
• CV
• Copy of your Certificate of matriculation at a university
• Copy of your Transcript of records
• Copy of the highest completed educational certificate (Matura certificate for Bachelor students, Bachelor certificate for Master students)