



Student Job: Top Level Connectivity (f/m/div)*

Job description

High end products need high end levels of connectivity to be the best on the market! The team of Automotive Microcontroller Chip Architecture defines the device specific hardware architecture used in different automotive applications. Are you interested in the different application requirements that Infineon offers like scalable devices (with more or less processing cores and peripherals) in different packages? If you want to learn more about our devices in the field of top level connectivity on chips (routability, power, performance, scalability) then this student job is great for you. Apply now, we can't wait to get to know you!

As a working student, your target will be to work on a tool/ script, which supports the following topics:

- Assignment of available **chip microcontroller resources/ connections** (Timer, Communication, System Functions) **to other on-/ off chip functions**
- **Big databases** need to be parsed to **identify open/ wrong connections**
- Check of functions available and needed at other functional building blocks
- **Check of resources** for completeness and expected quality level
- **Provide assignments** in **Excel** format
- **Visualization** of project status and open issues

Profile

You are best equipped for this job if you:

- Are studying **electrical engineering, computer science, mechatronics** or a related field.
- Bring good **programming skills** in a **scripting language** (preferred **Python, TCL, JAVA**) and have experience **parsing of big data bases** e.g. using **pandas** or **numpy**.
- Know tools like **Excel** and **PPT** well and can work in both environments: **Windows** and **UNIX**.
- Know something about **data versioning** (e.g. **git**) and ideally have basic skills in **VHDL** or **Verilog**.
- Are interested in **graphical visualization**, diagrams generation (e.g.: **yEd, Pyplot, Excel**)
- Already gained **basic knowledge** on **microcontroller architecture** and **functionality**.
- Like working in an international **team** and have **good communication skills**.
- Are fluent in **English**.

At a glance

Location: **Munich (Germany)**
Job ID: **337371**
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: **337371**
www.infineon.com/jobs

Contact

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Talent Attraction Manager

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Germany



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

- **Munich:** 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; Home office options; Part-time work possible (also during parental leave); Sabbatical; On-site creche and kindergarden with 120 spots, open until 6pm; Holiday child care; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis & soccer court; 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 and very own S-Bahn station; Access for wheelchairs

Why Us

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

– Automotive (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –

Our semiconductors are essential for supporting the automotive megatrends: electromobility, automated driving, connectivity, and advanced security. They link the real and the digital world, driving the ever-advancing pace of automotive digitalization. Infineon ATV is the number one semiconductor partner in the fast-changing automotive world, based on our system knowledge and our passion for innovation and quality.

** 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.*

