# Student Job: Software Engineering (f/m/div)*

## Job description

In nowadays connected world it is crucial to guarantee data security! Do you want to contribute to the secure development of firmware of security microcontrollers based on ARM architecture? In this student job you work on enhancements for flash loaders. Thereby you will be part of a diverse and agile development team of around 20 engineers in Augsburg. Sounds interesting? Read on

In your new job you will:

- Understand the **firmware components** like flash loader and **hardware support libraries architecture** and **code**
- Understand the **requirements and use cases** of firmware components for various application used in systems and solutions
- Contribute to the **feasibility study to implement enhancements in existing flash loader** under guidance of a mentor
- Design and develop the **field upgrade loader Proof of Concept**
- Integrate **UART interface** into the Rasberry Pie for performance measurements of firmware components
- **Presentation** to the **technical team** and Product marketing and stakeholders along with the mentor
- Contribute to the **continuous integration and test automation based on Python scripting**

## Profile

You are best equipped for this job if you:

- Are currently studying **computer science, electrical engineering** or similar
- Have already gained experience in **embedded software development and testing**, like **C** Programming and **Python**
- Possess **secure coding understanding** (concepts and methods)
- Are open to present the **feasibility concept** to your team and manager
- Are a keen **problem solver** and like to **take over smaller projects**, of course in close alignment with your mentor

Please attach the following documents to your application:

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

## At a glance

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|---|---|
| Location: | **Augsburg (Germany)** |
| Job ID: | **318878** |
| Start date: | **immediately** |
| Entry level: | **0-1 year** |
| Type: | **Full time** |
| Contract: | **Temporary** |

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

Job ID: **318878**
www.infineon.com/jobs

## Contact

**Anna Happach**
Talent Attraction Manager

- High school report

Additionally, the following requisites apply for student jobs:

- **You have to live somewhat close to the site**: more than 150 kilometers is too far a travel for a student job.
- **You have to be enrolled in either your Bachelor or your Master studies** to be eligible for a student job.