



## Internship: Audio Signal Processing (f/m/div)\*

### Job description

Are you a motivated Master's student who wants to gain experience in an international company? Do you also have a strong ambition for technology and signal processing and want to make things work? This specific internship is suitable for students within a technical degree program in Data Science, Signal Processing or Artificial Intelligence. Apply now and support our team in Munich for at least 6 months. We are curious to get to know you!

In your new role you will:

- Learn about possible **technologies available today for data logging and characterization**
- Improve your skills in **data acquisition and signal processing**
- **Evaluate the existing systems** for human speech and data-logging of acoustic signals
- Work out and develop **data acquisition and visualization** together with your supervisors and partner universities
- **Develop according post-processing functionalities** of logged data
- Work on **building up relevant post-processing packages** (e.g. in Python)
- **Document your results** and **support in research publications**

### Profile

You are best equipped for this task if you:

- Are studying **Data Science, Electronics or Communication Engineering, Mathematics** or something related in the field of Signal-Processing or Artificial Intelligence
- Successfully completed a **Bachelor degree or equivalent**
- Possess good **Python programming skills**
- Provide some **knowledge and experience in developing python signal processing libraries**
- Are available for at least **6 months**
- Have the ability to communicate well with our international team in **English**

Please attach the following documents to your application:

- CV in English
- Certificate of enrollment at university

### At a glance

Location: **Munich (Germany)**  
Job ID: **362117**  
Start date: **Sep 01, 2022**  
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: **362117**  
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### Contact

**Silke Jaschik**  
Student Attraction Manager



- Latest grades transcript
- High school report

## 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.**

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.

**– Power & Sensor Systems (PSS) drives leading-edge power management, sensing and data transfer capabilities –**

Infineon PSS semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world. Our leading-edge power devices make chargers, adapters, power tools and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

*\* 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.*

