



With us, you don't  
just talk the talk,  
you walk the walk.

Change starts with us.

## Intern / Student Assistant – Software development in computed tomography

The Fraunhofer-Gesellschaft ([www.fraunhofer.com](http://www.fraunhofer.com)) currently operates 76 institutes and research institutions throughout Germany and is the world's leading applied research organization. Around 30 800 employees work with an annual research budget of 3 billion euros.

Researchers at the Fraunhofer IIS Development Center X-ray Technology EZRT are developing modern cognitive sensor systems that are able to generate comprehensive data from test objects. Our research group on »**Knowledge-based image processing and visualization**« in Passau provides essential contributions for the (visual) analysis of computed tomography data to facilitate an in-depth understanding of our test objects.

**You would like to deepen your programming skills and get to know interesting new topics?**

**Then have a look at our offer!**

### What you will do

- You support our software developers in the design and development of software components for new visualization and analysis software
- You implement your own software modules (under our guidance) in the field of simulation, data analysis or visualization of computed tomography data
- You gain initial experience in industrial X-ray computed tomography

### What you bring to the table

- You are currently studying computer science or similar
- You have knowledge in the field of (object-oriented) programming (C/C++, or similar)
- You are interested in familiarizing yourself with new, exciting topics in the area of visual analysis of large data sets
- You have ideally gained initial experience in modern software development (e.g., CMake, Git)

### What you can expect

- **Flexible** working hours
- **Open** and **friendly teamwork**
- A **Variety** of tasks with room for **creativity**
- Exciting **seminars** and **events**
- **Networking** with scientists
- **Active contribution** in applied research
- **Interesting** and **innovative** projects
- **Mentoring program** »[josephine@](mailto:josephine@iis.fraunhofer.de)« for talented female students

Weekly working hours are determined by agreement. You can start from now on (as a student assistant from **10 to 20** hours a week or as an intern for a period of at least three months). You can reduce your hours before exams and increase them during semester breaks. You can flexibly determine the working days. After your studies, you have the option of working with us full or part time.

We would be happy to offer you the opportunity to write a bachelor's or master's thesis in cooperation with us in the above-mentioned subject area. The thesis will be assigned and carried out in accordance with the rules of the university you are enrolled in. For this reason, please discuss the supervision of your thesis with a professor of your choice.

We value and promote the diversity of our employees' skills and therefore welcome all applications - regardless of age, gender, nationality, ethnic and social origin, religion, ideology, disability, sexual orientation and identity.

**Interested?**

**Apply [online](#) now (PDF: cover letter, CV, transcripts). We look forward to getting to know you!**

Fraunhofer-Institute for Integrated Circuits IIS

[www.iis.fraunhofer.de/en](http://www.iis.fraunhofer.de/en)

Requisition Number: 1545444

Application Deadline: none

Location: Passau

