



Research Associate – Software Development Computed Tomography

The Fraunhofer-Gesellschaft (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 generate an annual research budget of 3 billion euros.

Researchers at the Fraunhofer Development Center for X-ray Technology EZRT are developing novel cognitive sensor systems capable of generating comprehensive data from test objects. Our research group, **»Context-sensitive sensor technology and automation«** in **Deggendorf** focuses on innovative methods for the best possible data generation. Our research group, **»Knowledge-based Image Processing and Visualization«** in **Passau**, on the other hand, provides solutions that make it easier to analyze measurement data to gain a deeper understanding of the test objects.

Are you interested in shaping the future of X-rays and want to develop new methods in computed tomography? Then take a look at our job offer!

What you will do

- In this exciting role, you will develop and test new computed tomography methods for our customers, ranging from system software and calibration to data analysis and visualization.
- You will, for example, design and implement methods that can be used to detect defects and evaluate your designs using real data.
- In order to lead your projects to success, you will work closely with experts in various fields such as X-ray computed tomography, image processing, visualization, software development, and marketing.

What you bring to the table

- Master's degree or PhD in computer science or a related field
- Strong background in modern software development (OOP, Git, etc.)
- Experienced in working with system and scripting languages (C++, C#, and Python), ideally also with GUI or visualization frameworks such as Qt and VTK
- Advantageous: Initial knowledge of computer tomography or image processing
- Business fluent in written and spoken German and English

The position is also suitable for career starters with relevant prior knowledge and experience from internships, student research projects or final theses.

What you can expect

Fraunhofer is not only the largest organization for applied research in Europe, but also a top-rated employer. How so?

- An **exciting role**: We offer a vibrant research environment at a global leader in a major innovative industry.
- We value personal contact: With our **structured onboarding process**, you will quickly become familiar with our institute and be able to extend your network successfully.
- We take your needs seriously: We support your **work-life balance** by offering flexible working hours and hybrid work.
- Top infrastructure at your workplace: With our **state-of-the-art technologies**, we develop solutions to meet the challenges of today and tomorrow.

- Our **institute culture**: We want our colleagues to feel comfortable. Therefore, we constantly strive to ensure a friendly and supportive working atmosphere within our international team.
- **Projects** with a strong **practical component** motivate our employees to drive innovation.

The position is initially limited to 2 years, with the aim to extend it subsequently. The weekly working time is 39 hours. The position can also be filled on a part-time basis with a preference, however, to have it filled as close to a full-time position as possible.

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. Appointment, remuneration and social security benefits based on the public-sector collective wage agreement (TVöD).

With its focus on developing key technologies that are vital for the future and enabling the commercial utilization of this work by business and industry, Fraunhofer plays a central role in the innovation process. As a pioneer and catalyst for groundbreaking developments and scientific excellence, Fraunhofer helps shape society now and in the future.

Interested?

Apply [online](#) now (PDF cover letter, CV, last references/ degrees). We look forward to getting to know you!

Anne Weber
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www.iis.fraunhofer.de

Location: Deggendorf & Passau

