



You will join the Trimble Terrasat research and development team in Höhenkirchen near Munich, Germany. Terrasat is Trimble's center of excellence for GNSS precise positioning. You will be responsible for developing and enhancing the real-time integration of visual sensor data in our GNSS/INS precise positioning solution. Success in this position involves working effectively in the development team with other experts, and demonstrating a set of fundamental software engineering skills that result in predictability in engineering, scheduling and the quality of products developed.

## Research Engineer for Visual-Inertial Navigation (m/f/d)

### Key Responsibilities:

- Designing and prototyping novel concepts for integrating 3D visual sensor data in Trimble applications for real-time positioning and mapping.
- Developing our toolbox for visual navigation methods and algorithms.
- Implementing software algorithms suitable for productization in embedded systems.

### Other Responsibilities:

- Documenting the developed solutions and explaining their rationales to technical and non-technical audiences.
- Being able to work effectively in an international development team and cooperating with people across the world.

### Skills & Experience Required:

- 2+ years of relevant experience with photogrammetry and computer vision, robust estimation, multi-sensor data fusion and GNSS for automotive, aerospace, robotics or other navigation applications (industry or academia).
- Excellent experience in Matlab and C++.
- Excellent English language proficiency.
- Good interpersonal skills and readiness for cross-team collaboration.
- Ability to adapt well to changing priorities in a fast-paced development environment.

### We offer:

- The thrilling opportunity to join our innovation driven R&D team focused on developing new software positioning products.
- A happy work culture in an international team of experts with more than 80 colleagues from 22 countries and six continents.
- Stock Purchase Plan and flexible working hours.
- A long-term, secure position with equitable compensation, modern workplaces with qualitative tools.
- Free membership in Munich's prime fitness studios and weekly business workout on site; bicycle leasing with tax benefits, employee shopping bonus program and company events.

Trimble is transforming the way the world works by delivering products and services that connect the physical and digital worlds. Core technologies in positioning, modeling, connectivity and data analytics enable customers to improve productivity, quality, safety and sustainability. From purpose built products to enterprise lifecycle solutions, Trimble software, hardware and services are transforming a broad range of industries such as agriculture, construction, geospatial and transportation and logistics.



**Bring your specialized skills and entrepreneurial spirit and make your future with us in this newly created position based at our R&D center in Höhenkirchen near Munich, Germany. We are looking forward to your application!**

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