



CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

YES.

We'll show you how at Fraunhofer.

COMPUTER SCIENCE IS YOUR TOPIC? FRAUNHOFER MEVIS IN BREMEN IS LOOKING FOR A GRADUATE/POST-DOC AS A

MACHINE LEARNING SOFTWARE DEVELOPER

In this position you will help solving challenging tasks in the field of medical image computing, specifically the analysis of image data and related medical records. You will employ modern machine learning approaches in order to extract relevant information from multi-dimensional, often multi-modal image data, and in order to correlate the findings with non-image data (such as patient records). Your work will be deeply embedded in medical application contexts, including (but not limited to) different kinds of cancer.

What we expect from you

- proven practical experience with machine learning, including deep learning
- experience in object-orientated software development with Python and/or C++
- familiarity with self-driven project work and ability to work well in teams
- above-average Master's or higher degree in computer science or another related field
- fluent English and (willingness to learn) German

In addition, the following traits would be advantageous:

- experience with image analysis (e.g. segmentation), in particular in 3D
- experience with database systems
- basic knowledge of medical image computing and visualization
- experience with DICOM, HL-7 or other standards or clinical IT infrastructure

What you can expect from us

- you will work in an enthusiastic young and interdisciplinary team and create algorithms and software for clinical use
- starting with your computer science background you will discover the field of medical applications
- we offer excellent connections to other Deep Learning experts and groups as well as an up-to-date and professional Deep Learning hardware
- you will get in touch with several excellent university hospitals.
- you are free to plan your own time in our trust-based working model.
- our involvement in the “Technologiepark” at the University of Bremen allows our employees to benefit from several privileges (e. g. use of the cafeteria hall and the university sports programs).

The position is initially limited for 2-3 years.

Appointment, remuneration and social security benefits based on the public-sector collective wage agreement (TVöD). Additionally, Fraunhofer may grant performance-based variable remuneration components.

The Fraunhofer-Gesellschaft places a high value on the equality of men and women in the workplace. Women are underrepresented in this field, so we especially look forward to applications from women. Family and career are balanced through flexible work hours, part-time opportunities, parent-child spaces and emergency childcare. Employment of persons with disabilities is also a high priority for us and a candidate with disabilities who possesses equal qualifications will be given preference.

Fraunhofer is Europe's largest application-oriented research organization. Our research efforts are geared entirely to people's needs: health, security, communication, energy and the environment. As a result, the work undertaken by our researchers and developers has a significant impact on people's lives. We are creative. We shape technology. We design products. We improve methods and techniques. We open up new vistas.

<http://www.mevis.fraunhofer.de>

Job Reference: **MEVIS-2017-1**

Closing Date: .

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