

CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

YES.

We'll show you how at Fraunhofer.

WOULD YOU LIKE TO SHAPE THE DIGITIZATION OF MEDICAL GUIDELINES IN AN INTERDISCIPLINARY TEAM?

WE AT FRAUNHOFER MEVIS OFFER YOU AN EXCITING JOB IN BREMEN AS OF NOW AS A

PH.D. STUDENT (F/M/D) "DIGITAL MEDICINE"

Fraunhofer MEVIS is a world leading research and development center driving the digital transformation of medicine. We pursue a patient-centred approach tailored to clinical processes to solve important questions in precision diagnosis and therapy. We conduct both publicly funded R&D projects as well as industry funded contract R&D and product development.

As part of a cooperation with the Leibniz Institute for Prevention Research and Epidemiology BIPS and the University of Bremen, you will work in the interdisciplinary project "*The Intelligent Digital Guideline Editor (IDEAL)*". Clinical Practice Guidelines formalize medical hypotheses and clinical study results and are crucial in clinical decision making. Challenging tasks around those guidelines are waiting for you. The goal of the project is to make the adaptation of guidelines to new medical evidence more efficient and dynamic by using novel statistical and AI-based approaches to identify and enhance guidelines that need improvement.

What we expect from you

- an above-average Master's degree (scientific university degree) in Computer Science, Physics, Mathematics, Engineering or a related discipline
- experience in a medical context or strong willingness to learn new medical contexts
- experience or strong motivation to work with and extend formal models for knowledge and rule representations (e.g., PROforma)
- high motivation to work scientifically both independently and in an interdisciplinary team with the goal of obtaining a doctoral degree
- experience in object-oriented programming in Python
- experience in software development with Qt or Angular is a plus
- good English language skills; good German language skills will be advantageous

What you can expect from us

You will work in an interdisciplinary institute with flat hierarchies and a variety of training and development opportunities. You can freely arrange your working hours within the framework of our trust-based working hours model and work from home if required.

The weekly working time is 39 hours. The full-time position with half pay allows 50% of your working time for your doctorate and 50% for the collaboration in the research project as a Research Assistant.

The position is initially limited to 3 years.

The Fraunhofer-Gesellschaft attaches great importance to the professional equality of all genders.

Fraunhofer MEVIS bears the "family logo" of the Fraunhofer-Gesellschaft - a confirmation that we as an institute offer outstanding opportunities for a good work-life-balance. For example, we support our employees with flexible work options and their arrangement in terms of time and place, part-time work, childcare options (including taking care in emergencies), support in the area of homecare/eldercare, and the organization of parental leave and return to work after parental leave.

The employment of severely disabled people is also an important concern for us. If they are equally suitable, people with a severe disability are given preferential consideration.

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.

In case of questions regarding this position, please contact:

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Job Reference: **MEVIS-2021-27**

Closing Date: .

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