About DeepSpin

DeepSpin is a HealthTech startup pursuing the mission to make Magnetic Resonance Imaging universally accessible. Today 7 out of 10 people globally do not have access to this life-saving imaging modality. Through our cutting-edge technology we are going to change that. Backed by globally leading VCs, we are now expanding our world-class team. This is a fantastic opportunity to join a team motivated to bring a life-saving technology to the billions of people that currently cannot afford it.

About the Role

We are seeking a talented MRI Pulse Sequence Developer to join our dynamic team. As an **MRI Pulse Sequence Developer** at DeepSpin, you will play a pivotal role in the numerical simulation, design, optimization, and integration of MRI sequences. Your expertise will contribute to enhancing the performance and capabilities of our MRI systems, ultimately leading to improved image quality and diagnostic accuracy.

Responsibilities:

- Develop accurate models to predict signal generation, acquisition, and image formation processes.
- Collaborate with cross-functional teams to design and optimize MRI sequences tailored for specific imaging applications.
- Implement innovative techniques to enhance imaging speed, resolution, and contrast.
- Integrate domain knowledge of MRI physics and imaging principles into machine learning algorithms.
- Support the development of advanced control and reconstruction algorithms by leveraging MRI expertise.
- Develop algorithms for signal processing, image reconstruction to improve data quality.

About You

- MSc/PhD Degree in STEM (Computer Science, Physics, Mathematics, Engineering, etc)
- 3+ years of experience applying computational mathematics techniques in MRI
- Experience in working with raw MRI signals
- Fluent in programming in Python & Scientific computing (Scipy, Numpy)
- First principles thinking, excellent communication skills in English and a proactive, positive attitude
- Experience with MRI in a clinical setting and in pulse sequence design
- Preferred: Basic knowledge of low level MRI hardware
- Preferred: basic experience in Software Engineering practices
- Preferred: postdoc or industry experience in a leading research group/company
- Preferred: proven track record with publications in top MRI journals

What we offer:

- **International environment:** A diverse and multicultural English-first office with more than 10 different nationalities driven by the same purpose, to revolutionize medical imaging
- **Competitive Compensation:** A total compensation package value of up to 100.000 € per year consisting of 60.000 - 80.000 € salary and stock options
- **Benefits:** Urban Sports Club, BVG and lifestyle vouchers along with company-sponsored lunch in our penthouse office and monthly team events
- **Personal development:** In addition to learning on the job through mentorship and high responsibility from the start, we encourage and support personal development (trainings, certifications etc.).
- **Work-life balance:** Flexible working hours + 30 days of paid leave per year and Parental leaves
- **Relocation:** Support with visa and relocation as well as with finding daycare for your children
- **Dynamic & Innovative Culture:** A creative workplace with flat hierarchies and open communication among a highly skilled collaborative team

Apply Here:

MRI Sequence Developer (m/w/d) - Deepspin (talentlyft.com)