Medimaps Group is a leading global medical software analytics company designing, developing and commercializing AI powered medical imaging software for assessing bone health and improving fracture risk detection. Medimaps Group is driving healthcare innovation through the creation and development of advanced AI-powered medical imaging technology. Our commitment is to advance clinical practice and patient care, through a portfolio of evidence-based products, including flagship product, trabecular bone score (TBS).

Headquartered in Plan-les-Ouates, Geneva, Switzerland, with offices in the US and France, we are rapidly scaling up and looking to transition to the next phase of our growth plan. To support us on our scale up journey, we are actively seeking to recruit a **BioEngineering Intern** at Masters level.

The purpose of this funded internship with medimaps, is to apply knowledge and skills in Finite Element Analysis (FEA) to gain understanding of bone strength, biomechanics and resilience to fracture. The internship programme will include the prediction of bone resilience from medical images, in order to provide real-world clinical solutions in the field of osteoporosis.

You will work closely with the clinical and research teams and be responsible for a range of tasks including but not limited to the development of patient-specific models, reconstruction of trabecular bone material properties from radiological images, and the application of meshing, boundary, and loading conditions. This will enable detailed analyses of the mechanical, structural, and fracture characteristics of bone. Guidance will be provided by the Director of Clinical Affairs, guaranteeing alignment of the research with clinical standards and patient benefit objectives.

This internship promises an interesting, structured and supportive learning environment. You will be mentored by professionals in the industry, who will share invaluable experience and provide useful insights specific to the field.

Bioengineering Intern (Masters level)
Location: Based in Geneva with Hybrid options available
Start Date: ASAP or by March 2024 at the latest.
Duration: 6 months

Key responsabilities:
- ✓ Manage data collection, cleansing, and analysis from diverse sources to enhance the development of Medimaps AG products.
- ✓ Construct FE models and conduct statistical evaluations to unearth emerging trends and valuable insights.
- ✓ Actively engage in brainstorming sessions, offering data-backed suggestions and innovative solutions.

What you bring to the table:
- Bachelors degree in a related field.
- Currently pursuing a Master's in (Bio)-Mechanical Engineering or a related discipline.
- Expertise in Finite Element Analysis (FEA).
- A minimum of 1 year's hands-on experience with FEA, this can include academic research projects.
- Proficiency in programming with Python/R or C#.
- Excellent English communication abilities, both written and spoken.
- Capable of working independently as well as collaboratively within a team.
- Familiarity with statistical analysis tools and methodologies.
- Prior exposure to image processing techniques **is a plus**.
- Highly proficient with Microsoft Office Suite

NOTE: Open to all EU or Swiss citizens. For non-EU or Swiss citizens currently studying in Switzerland or France, evidence of a Swiss or French work or educational visa/permit will be required.

Languages: Fluent written and verbal communication in English (C1 or equivalent as a minimum), French advantageous, any other European language a plus

Essential Soft Skills:
- Demonstrate dedication, adaptability reliability and persistence
- Capable of working autonomously, proactively and collaboratively within the team and across the organisation
- Solutions and results oriented, with a strong bias for action
- A Flexible and agile mindset is essential for working in our highly dynamic, innovative and fast growing organisation
- Willingness to constantly learn and progress
- Ethical, honest and respectful in all personal and professional interactions – essential and non-negotiable!

What we Offer:

- ✓ A flexible and friendly working environment with a collaborative atmosphere
- ✓ An exciting company mission that brings together science and technology to directly impact the lives of patients
- ✓ Excellent opportunity for learning and development
- ✓ Flexibility of remote working
- ✓ Diverse and inclusive work force with equal opportunities for everyone
- ✓ Socially responsible company with a great mission
- ✓ Work life balance valued. Our employee happiness is a priority at the medimaps Group
- ✓ Excellent organizational culture that recognises and values the contribution of every individual
- ✓ Working with a great Team

How to Apply:

If this job inspires you and you would like to join the medimaps team, please apply immediately via our LinkedIn Recruitment Platform or direct to hrteam@medimapsgroup.com **. A CV is required and a cover letter puts you ahead of the pack.**

Candidates whose profiles do not meet our needs at this time will be notified at the end of the recruitment process. We anticipate that this may take approximately 4-6 weeks. We apologize in advance for this potential delay but will do our best to get back to you at the earliest possible opportunity.

We are looking forward to receiving your application and to getting to know you better!

Strictly no recruitment agencies please