

Mathematical Algorithm Developer (VTK) (100 % - Full-time)

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Company: Adoc Talent Management

Location: Mont-Saint-Guibert

Category: computer-and-mathematical

Join the future of healthcare innovation!

We're recruiting for a Belgian scale-up specializing in cutting-edge products and software development. Its flagship platform, Customize, is revolutionizing the production of patient-specific devices, and they are proud to offer AI-based solutions for surgical planning. From 3D-Skull to 3D-Cut for bone tumour resection, the team is committed to transforming lives through innovation.

Your mission:

As a Mathematical Algorithm Developer, you will spearhead the development, testing and documentation of mathematical functionality for their Customize platform (3D geometry, matrixes,..). You will focus on implementing mathematical features that have a direct impact on surgeons, enabling them to calculate and display anatomically-related patient data and position implants with unrivalled accuracy.

Your skills and experience:

MSc or PhD degree in computer science or applied mathematics, highlighting your skills in 3D geometry.

A good knowledge of the **VTK, VTK-JS and ITK** libraries is a strong asset.

Proficiency in JavaScript, with Python as a valid alternative.

Assets include familiarity with PHP, VueJS, HTML, or application frameworks such as Laravel.

Proactive, autonomous, and driven by a critical and analytical mind.

Adopts a research and experimentation approach, and always looks for the most effective solutions.

Fluency in English; and other languages is an asset.

The company offers a flexible and attractive contract:

A full-time position with a competitive salary and comprehensive benefits.

Immerse yourself in a stimulating professional working environment within the dynamic medical devices sector.

Contribute to the development of innovative products that make a real difference.

Join a motivated international team, driven by the spirit of an innovative start-up.

Be part of an important mission, where your work directly contributes to saving lives and improving quality of life.

Ready to shape the future?

If you're passionate about the fusion of maths, technology, and healthcare, and eager to make a lasting impact, we invite you to apply (send your CV to Adoc Talent Management). Join this visionary team and drive the transformation of healthcare through innovation!

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