

FEA Consultant

Job description

We are looking for an FEA Consultant, with hands-on experience in Finite Element Analysis, to expand the engineering consulting unit of FEops. You will be involved in consultancy projects for (cardiovascular) medical device companies and will report to the Engineering Consulting Manager. After a training period, you will carry the following responsibilities:

- Setup computational analyses based on the customer's needs
- Generate geometrical models of cardiovascular medical devices and patient's anatomies
- Model the interaction between a medical device and a patient's anatomy
- Analyze the fatigue life of a medical device using simulations
- Optimize the design and material of a medical device
- Generate technical reports for specific purposes (R&D, regulatory file preparation, production of marketing material, scientific publication)
- Contribute to increase the know-how of the engineering consulting unit (e.g. by building a dedicated simulation toolkit)
- Document the consultancy activity to comply with the Quality Management System

Company

FEops, a fast growing medtech scale-up company is a recognized pioneer in the field of physics-based simulations for minimally invasive cardiovascular devices and procedures. We offer services to medical device companies as well as to medical specialists and physicians around the world. Our computer simulations have proven to provide medical device developers and manufacturers with unique insights, thereby speeding up R&D processes and supporting device safety. Physicians, for their part, benefit from new patient-specific insights that help them work more efficiently while, most importantly, improving patient safety and outcomes.

Must-Haves

Minimum 3 years experience (or PhD) in Finite Element Analysis using Abaqus
Experience with programming
Teampayer
Problem-solving attitude and respect for deadlines
Analytical skills, creativity and logical thinking
Fluent in English

Nice-to-Haves

Experience with CFD (OpenFoam), FSI or optimization software (Isight)
Experience with segmentation/image processing (Mimics)
Experience with computational modelling of soft tissue biomechanics, Nitinol, fatigue safety
python / pyFormex scripting
Linux (Ubuntu)
webGL visualization

We offer

- * Competitive salary plus extras
- * Opportunity to grow in a young dynamic scale-up company
- * Opportunity to work from home (part-time)
- * Stimulating environment and challenges
- * Contribute to life-saving technology

Contact

For more information visit [feops.com](https://www.feops.com) or linkedin (<https://www.linkedin.com/company/18259992/>).
Applicants should send their CV and motivation letter to gianluca.desantis@feops.com