



Job Description:

Job vacancy:	Research Engineer
Reporting to:	Head of Engineering
Location:	Bristol & Bath Science Park
Annual Salary:	Subject to applicant experience
Package:	27 days annual leave 4 x salary life assurance Group Personal Pension Scheme Group Private Medical Insurance Health Care Cash Plan



Overview:

The Centre for Modelling and Simulation (CFMS) is a growing, independent digital engineering consultancy providing technical expertise to help organisations create cutting edge solutions by pioneering new approaches to product development and enabling innovation services.

Working with commercial and research organisations of all sizes, CFMS has a full portfolio of digital innovation capabilities, including design and analysis services, consultancy, and IT infrastructure. CFMS uses digital innovation across the cyber-physical landscape (including a new robotics capability) to help develop more effective engineering solutions across industrial sectors critical to the UK economy.

As a commercially focused organisation we reinvest profits from commercial activity into the continued development of our people, facilities, and research capability.

About the role:

The role is suited to an individual who has a background in a STEM subject with an interest in numerical modelling and interfacing with external clients to solve real world problems. The Research Engineer will have knowledge and an awareness of modelling and simulation methodologies and techniques and tools used throughout the engineering lifecycle. They will be expected to use their own initiative and apply critical thinking to evaluate candidate approaches and tools to achieve project goals. The Research Engineer will have experience in collaborating with clients, leading both technical and non-technical discussions, and developing customer ideas into viable project plans. They will be expected to lead customer engagement and manage the delivery of projects whilst also contributing to the technical work, including representing the company on projects, such as acting as the face of CFMS within consortiums.

Key Responsibilities:

- Work with the Head of Engineering to develop, implement and test numerical models for CFMS customers
- Lead engagement with prospective and existing customers, including scoping projects and contributing to bids
- Take responsibility for managing deliverables in projects, delivering projects to time, quality and cost
- Lead other technical team members and guide them to meet project goals



- Contribute to the development of new algorithms, methods and tools to meet engineering and simulation challenges
- Contribute to project reports and presentations
- Present technical project findings and capabilities in project meetings, conferences and events

Key Relationships:

- Technical Team
- Marketing Team
- Senior Management Team
- Operations Team
- Project Management Team

Decision Making:

- Assess situations to determine the importance, urgency and risks, and make clear decisions which are timely and in the best interest of the organisation.
- Set priorities, develop a work schedule, and monitor progress towards goals and track activities.

Problem Solving:

- Work cooperatively and effectively with others to set goals, resolve problems and make decisions that enhance organisational effectiveness
- Amend priorities to ensure delivery to timelines when circumstances warrant it
- Resolve points arising from reviews
- Identify solutions to client problems and propose plans of work to solve them

Experience:

- Minimum 2:1 degree in a STEM subject
- A sound technical background in Physics, Maths, Engineering or Applied Computing domains
- Knowledge of programming, for example C/C++, Python or MATLAB
- Knowledge of optimisation and sensitivity analysis techniques would be advantageous
- Writing numerical simulations in code



- Leading engagements with clients
- Understanding of the project lifecycle
- Managing the delivery of technical projects
- Presenting to a range of different stakeholders
- Report writing
- Evidence of self-driven work to deliver technical projects

Skills, Knowledge and Competencies:

- Excellent written and verbal communication skills
- Organisation and planning
- Formal presentation skills
- Customer focus
- Teamwork
- Self-development
- Attention to quality
- Results focused
- Initiative

How to Apply:

Email your CV and covering letter to careers@cfms.org.uk. If you would like further information on the role, please contact us on the email above or call **0117 906 1100**.

Applicants must have an indefinite right to work in the UK.

Direct applications only - no agencies.