



Job Description:

Job vacancy:	Graduate Systems 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 of real world problems. The Graduate Systems Engineer will have the knowledge, expertise and capability to model physical systems in the engineering lifecycle, including but not limited to: system function, system architecture, detailed product performance modelling and test strategies. Additionally, an awareness of modelling and simulation methodologies, techniques and tools used within the engineering lifecycle is desired.

Key Responsibilities:

- Work with the Head of Engineering to develop, implement and test system models for CFMS customers
- Contribute to project reports and presentations
- Present technical project findings at conferences or in project meetings

Key Relationships:

- Technical Team
- Marketing Team
- Senior 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
- Amends priorities to ensure delivery to timelines when circumstances warrant it
- Resolve points arising from reviews

Experience:

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