CAMBRIDGE FLOW SOLUTIONS
Proprietary and customised CFD

New Vacancy: Geometry Meshing Software Development Engineer (GMSDEDec2022)

About Cambridge Flow Solutions:
We at CFS are committed to building engineering software tools and products that are effective, easy to adopt and make a significant impact to industry. Our products like BOXERmesh, BOXERgeom & BOXERsolve have enabled our employees to approach each project with high importance for scalability, robustness, configurability, and modular design. Over the last decade, CFS has built a strong relationship with its customers. We offer solutions across a range of industries based on our core research vehicles:

- **BOXERmesh, a robust scalable fully parallel mesh generator**
- **BOXERgeom, a voxel-based Digital Geometry™ modelling kernel which supports MRO, AI/ML**
- **BOXERsolve, a highly customisable ale RANS/LES/thermal solver**

About the Job: We are seeking a talented Geometry & Meshing software developer to work at the very heart of the company developing code for meshing and geometry computation, as we continue to identify and exploit emerging commercial opportunities for BOXERgeom. We are looking for someone with excellent C++ programming skills and some mesh generation knowledge or experience with computational geometry.

Job Responsibilities:
- As a Software Developer, you will help the team in accelerating product development and will take complete ownership of the tasks assigned
- You will be required to carry out various development tasks including new development, improvements, and bug fixes
- You will be required to work across meshing and geometry development as per the company needs
- You will be responsible for maintaining the coding standards, software quality and software configuration for the tasks assigned
- You will be required to create unit tests, test plans, update the automated test system and closely work with QA team towards a common goal of delivering software with highest quality

Qualifications:
- 3+ years of experience in C++ programming, preferably using C++11 or higher
- Experience in developing large scale graphics/GUI applications
- Good knowledge of 2D and 3D Geometry concepts and familiar with Mesh development
- Familiar with Testing methods and systems
- Primarily, Linux development and familiarity with Windows
- Good communication and documentation skills
- Bachelors/Masters/PhD in Engineering or Physical Sciences

What do we offer:
- Competitive pay of £45,000 to £55,000 per annum depending on experience and an additional annual bonus
- Opportunity to work in a specialist but significant domain – our zero carbon future will be designed and delivered using simulation
- Professional work environment
- Work with a dynamic and inclusive team
- Immigration support for international applicants

Job Location: Cambridge, UK
Job Type: Permanent

With offices on the world-renowned Cambridge Science Park, UK and Japan, we are continually looking for exceptional talent, particularly in the areas of Computing, CFD/CAE applications engineering, consulting, sales and support. We offer stimulating work in a young and dynamic company with exciting prospects.

Salary £45,000 to £55,000 per annum depending on experience.

Please email with a stated salary expectation and the job reference, GMSDEDec2022 when applying. Only applications with this salary information will be considered.

Closing date: 23rd January 2023

Please forward all applications (enclosing a CV and cover letter) to careers@cambridgeflowsolutions.com

There will be a two stage interview process with an initial telephone interview and then successful candidates will be asked to attend an interview online or in person.

Cambridge Flow Solutions is an equal opportunities employer and we welcome applications from all suitably qualified persons.

Cambridge Flow Solutions Ltd. Suite 1, 200 Cambridge Science Park, Milton Road, Cambridge, CB4 0GZ, UK +44 (0)1223 628770 www.cambridgeflowsolutions.com
Registered Office: c/o Botanic House 100 Hills Road Cambridge CB2 1PH UK   VAT Registration: 750 8517 26 Company Number: 3720254
Chairman: WN Dawes Directors: WN Dawes ME Hickling Y Sakamoto