We have a vacancy for

Supervisory Control System, Deputy Team Leader

Advanced Oncotherapy is developing the next generation of proton therapy systems to provide cancer treatment that is more affordable and accessible to many more patients. With a research and development team in Geneva (ADAM SA – a CERN spin-off), our test site in Warrington, UK, and head office in central London, we have 150 staff, spanning 29 nationalities. More information on the Company can be found on www.avoplc.com.

The successful candidate will be responsible for managing the design and implementation of high level software components for the supervisory control system including user interfaces in accordance with the in-house standards. He/she will be responsible to provide the deliverables require by the integrated systems.

Main activities

Area 1: Management:
1. manages and delegates day-to-day activities of the team
2. reports progress and issues to team leader
3. Technical follow-up of the team
4. Technical follow-up with subcontractors

Area 2: Requirements and Design
1. Gather requirements, elaborate designs for C++/C#/SCADA following the in-house standard.

Area 3: Development
1. Implement high level software applications and frameworks
2. Integrate Tier 3 systems and user inputs for Tier 1

Area 4: Documentation
1. Prepare test cases and provide support during the execution of the tests.
2. Write technical documentations such as requirements, architecture, interface documents, test plans and manuals.

Technical Requirements

- Master’s degree or higher in the field of software engineering, control systems, electronics or equivalent.
- Experience in software development in a particle accelerator environment.
- Very good knowledge of C and C++
- Good knowledge of C#
- Good knowledge of cross platform build infrastructure as CMAKE
- Understanding of object-oriented programming
- Good knowledge of software patterns
- Basic knowledge of version control systems
- Knowledge of Qt and C++ standard library
- Understanding of SCADA systems such as WinCC OA
- Spoken and written knowledge of English with the ability to draw up technical texts.
- Working in teams
- Solving Problems
- Demonstrating accountability
- Communicating effectively
- Achieving results
What we offer

- A competitive salary and contribution to healthcare costs
- 24 days holiday plus the CERN closing days (approx. 6 days per year)
- A friendly, international working environment with experts in their field
- Career progression through training and development
- The chance to be at the cutting-edge of proton therapy research

Applications

Interested candidates should submit

- A cover letter
- A curriculum vitae,
- A Master’s degree certificate or equivalent in a relevant field
- At a minimum, the names of 2 referees, or two letters of recommendation, and/or employment
- Any other relevant certificates, i.e. C++/SCADA certificates

by email to the HR Director: bridget.biggar@avo-adam.com

For full consideration applications should be submitted by 4 April 2020
The position will remain open until filled.
All qualified individuals are encouraged to apply.