

PERSON SPECIFICATION – SCIENTIFIC DEVELOPER

MatSci Team - Scientific Software Engineer – C++

| | Essential | Desirable | Method of assessment |
|---|-----------|-----------|----------------------|
| Qualifications | | | |
| Higher education qualification in science, mathematics or computer software development <i>or equivalent experience</i> | E | | CV + Int |
| Experience | | | |
| Experience with cross platform software development | E | | CV + Int |
| Experience of writing code in C++ | E | 3+ years | CV + Int + A |
| Experience working in a professional software environment | E | | CV + Int |
| Good code design skills such as object-oriented design | E | | CV + Int + A |
| Appreciation of professional programming practices (source control, documentation, unit testing etc.) | E | | CV + Int + A |
| Experience working on GUI design & User Experience (knowledge of the Qt Application Framework is an advantage) | E | | CV + Int |
| Experience with Python | | D | CV + Int |
| Experience of Agile development methodologies | | D | CV + Int |
| Personal Skills and Abilities | | | |
| Expert problem solving skills | E | | CV + Int + A |
| Excellent interpersonal skills | E | | CV + Int |
| Ability to work to tight deadlines and manage complex workload | E | | CV + Int |
| A desire and aptitude to learn additional technologies | E | | CV + Int |
| A pro-active, self-motivated person, comfortable taking responsibility and working in a team | E | | CV + Int |
| Comfortable communicating with non-developer scientists with understanding of their motivations and challenges | E | | Int |
| Knowledge | | | |
| Ability to comprehend scientific challenges relevant to our customers | | D | CV + Int |
| Disposition and Attributes | | | |
| Excellent oral and written communications skills | E | | CV + Int |
| Practical, pragmatic approach to work | E | | CV + Int |

E – Essential, D – Desirable, Int – Interview, A – Assessment