

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		D	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)		D	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