

JOB PROFILE and PERSON SPECIFICATION



Role: CGI Python Developer

Reporting to: CGI Technology/VFX Director

Snapshot of role:

With a focus on the use of Python, provide technological support and development for CGI development projects. Assist the team in the development of innovative solutions as part of the overall CGI studio growth.

Key role accountabilities:

- Provide advanced 3D software scripting support (particularly in Python) for the CGI Studio
- Provide artistic technological support and scripting to members of the CGI studio. This includes plug-ins, scripts as well as other third party technologies using Python and other programming languages
- Take ownership and maintain any software, scripts developed and their corresponding source code repositories and documentation/wiki, providing training to Artists where necessary
- Keep up to date on new research and industry developments, actively looking to maintain knowledge and develop our use of Python
- Proactively seek to understand how CGI Artists produce stills and animations to keep up to date on their needs and future development requirements, and to enhance and make our resource more efficient
- Consistently share knowledge at team meetings and share work you have created to participate in collective learning within the team environment and gain valuable feedback
- Proactively develop your own technical skills and understanding, to contribute towards the overall efficiency and innovation of the CGI Studio
- Always work within the IT and CGI Systems procedures for development, adhering to ISO standards
- Ensure any documentation, operation manuals, policies, wiki knowledge base is kept up to date for future reference and benefit of the team

General accountabilities for all staff:

- Carry out any reasonable duties as identified by your line manager or team leader
- Positively represent Burrows to our customers and suppliers
- Ensure compliance with all contractual employment obligations.
- Ensure compliance with our ISO standards.
- Fully participate in the company's performance management and development programmes.
- Maximise own ability to produce quality work, on time, and to brief, utilising best skills and available technology.
- Work in accordance with the company's Human Resources policies and procedures.
- Ensure compliance with health and safety requirements



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About you:

- Team oriented, driven individual
- Strong desire and ability to learn and apply new knowledge and techniques
- Strong ability to prioritise tasks, 'think ahead' and manage time effectively
- Genuine interest in 3D, web development / internet + mobile technologies
- Strong planning and organisational skills
- Analytical thinker, excellent research skills
- Calm approach under pressure
- Problem solver, and solution-focussed approach
- A keen eye for detail
- Flexible and able to adapt to changing conditions
- Excellent interpersonal skills
- Able to work overtime as required, sometimes at short notice

Your experience and knowledge:

- Troubleshooting 2D,3D, CGI based software
- Scripting Languages; cmd line, Python, 3D software scripting
- Solid understanding of max script and tool development
- Pragmatic approach to solving complex programming/production issues
- Solid understanding of a CG/Animation/Games pipeline

Your Qualifications

- IT Literate (including all Microsoft Office packages)
- Undergraduate/Postgraduate degree or diploma in Computing Science, or related 2D/3D discipline
- Minimum standard C in Maths & English GCSE

Experience in the following would be advantageous, but not essential:

- Experience of a shotgun/pipeline development.
- Experience of other scripting languages – MAX Script, MEL Script, TCL, vb Script, JavaScript,
- Experience of deadline render farm management software
- Sound understanding of industry standard programming techniques

This job profile accurately reflects the requirements of the job at the time of writing but may be subject to change from time to time to meet the changing needs of the business.