

JOB DESCRIPTION

Job Title	Broadcast Graphics Developer (Technical)
Department / Code	Television Production department, BTP
Main Purpose of Job	To develop F1 graphics for use into live sports programming
Responsible To <i>(Specify who the Post Holder should Report to)</i>	Graphics Team Manager and Television Production Group Manager

Main Duties and Responsibilities

1. Working with the graphics team to discuss and develop new graphic concepts and as well as improve operational and workflow philosophies.
2. Assisting with designing new graphic concepts and looking at how we can improve existing designs.
3. Determining data requirements for new graphics and working with our software team to help ensure graphics data requirements are thorough and correct.
4. Building and testing new graphics that interact with real-time and static data, as well as preparing them for use in the Formula One broadcast.
5. Working with the graphics team to improve workflows and how graphics receive data as well as develop new content and the range of data available from timing and database systems.
6. Working with our software and timing departments to facilitate testing with static and real-time data.
7. Understanding and developing the technical requirements involved in operating our graphics systems and bespoke software, within a broadcast environment.
8. Maintaining and developing graphics systems and looking at how we can streamline our processes.
9. Attending races to help facilitate the graphics operations.
10. Preparing graphics sets for upcoming races as well as fixing any immediate bugs or errors required for the next race.
11. Preparing the graphics systems for the race weekend, including testing all outputs and functionality as well as deploying and testing graphical and/or system updates.
12. Operating our graphic systems live at events during and helping viewers understand what is happening during each session.
13. Troubleshooting technical issues which occur during a grand prix weekend and liaising with relevant individuals, teams and departments to quickly resolve problems.
14. Working on virtual graphics systems as well setting up virtual Camera set ups trackside.
15. Researching how graphics are used in other industries and keeping abreast of new technologies to see how we can improve our product and develop for the future.

16. Staying up to date with developments within the sports broadcasting industry.
17. Understanding the sport of Formula One and its associated support events and becoming knowledgeable about how the sport works.
18. Working with the production team and directors/producers and attending production meetings to understand current stories in the sport and plans for the broadcast.

OTHER

- To complete all mandatory training within specified timelines.
- To operate safely at all times in line with Company health and safety requirements.
- To undertake other duties within your capabilities as your Department Manager or Team Manager may assign to you from time to time.



Person Specification

	Essential	Desirable
Qualifications	<ul style="list-style-type: none"> • A degree in computing or software subject, with a focus on graphics and design and/or multimedia technologies 	<ul style="list-style-type: none"> • A degree in Digital Media Technology or a similar computing or design degree
Experience	<ul style="list-style-type: none"> • Experience of working within a graphics, computing or multi-media or similar field • Experience working in a project based environment 	<ul style="list-style-type: none"> • Experience of working within fast paced technical or design team • Experience working on live television and/or sports broadcasting
Knowledge & Skills	<ul style="list-style-type: none"> • Highly computer literate and thoroughly confident with windows and apple operating systems • Experience building graphics that interact with different data types • Strong design and technical skills • An keen understanding of visualising data using graphics and how to work with data via applications, data feeds or databases and APIs • Solid knowledge of VB Scripting or similar scripting or programming languages • A sound knowledge of maintaining computer hardware and software • Knowledge of computer networks and data transfer methods such as TCP/IP and UDP communication protocols • Understand the testing and troubleshooting process • High level of written English and excellent communication skills 	<ul style="list-style-type: none"> • Experience programming data driven and/or interactive graphics in a multi-media, broadcasting or gaming field • Experience using 3D design packages such as Autodesk Maya and 3D Studio Max • Experience using Adobe's suite of design packages • An understanding of broadcast graphics design principles including layers and alpha channels • Understanding of broadcast industry technologies and trends • Experience using real-time and broadcast graphics systems and software such as Vizrt or similar • Experience using Unity or Unreal render engines • Knowledge of AR, VR graphics • Knowledge of graphics systems and hardware, GPUs and graphics technologies, particularly in a real-time graphics environment. E.g. the installation and testing of graphics cards and drivers.
Personal Qualities	<ul style="list-style-type: none"> • Meticulous attention to detail, especially in a design/creative context • Desire to work in graphics/broadcast industry 	

	<ul style="list-style-type: none"> • A strong desire to learn new skills and as well as self-improve and upskill • Ability to think clearly under pressure and react quickly • Strong analytical and problem solving skills • Ability to independently and cooperatively manage work and adhere to deadlines • Highly organised with excellent communication and time management skills • Ability to work on multiple projects simultaneously • Ability to act as a self-starter as well as be delegated task • Display competence across a variety of different projects and skill sets • Willingness to work extra hours when required 	
Other	<ul style="list-style-type: none"> • EU driving licence • Willingness to travel abroad 	<ul style="list-style-type: none"> • A genuine interest and sound knowledge of Formula One and other motor sports is advantageous

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