

Graduate FPGA Design Engineer

Summer 2018

Job Ref: GFDE-1704

Job Description:

ITDev provides fully managed technology design services from its modern high-tech offices on the Southampton Science Park. Despite being a small company with a family atmosphere, our software and electronics designs touch the lives of millions of people every day. Whether it is through our contributions to the Android operating system, or through our work on broadcast equipment that delivers television content throughout the world, you have probably experienced the results of some of our projects already. We deliver design services for audio/video system development under our [Imicast](#) brand.

As part of the strategic plan for 2018/19 we will be recruiting a Graduate FPGA Design Engineer to complement our talented team of Software and Electronics Design Engineers. The Electronics Design group work on a variety of client projects from short to long term, in multidisciplinary teams of between 2 and 8 people. They are continually assessing the latest design methodologies; adopting and refining them where beneficial. The successful applicant will be expected to adapt to a variety of design and projects workflows.

Key Responsibilities:

- FPGA design and embedded software development to meet customer requirements
- Implementing and integrating IP, testing and debugging code
- Liaising with stakeholders, including clients, as required
- Ensuring designs are developed according to relevant standards
- Improving company processes

Competences and Skills:

Essential:

- A firm grasp of digital electronics fundamentals
- Competent in a hardware description language (VHDL, Verilog, or SystemVerilog)
- Embedded software skills (especially C or C++)
- Team player
- Quality focussed
- Proactive communicator
- Professional image
- Ability to quickly learn new technologies and tools

Desirable:

- Experience of:
 - Machine vision
 - Image/video processing
 - Digital signal processing
 - Audio
- Experience of FPGA design flow and tools
- Experience of Revision Control Systems (e.g. Git, Subversion, ...)

- Experience in any of the following languages would also be beneficial:
Python, Perl, C / C++, C#
- Familiarity with Linux platforms
- Test and integration (including Continuous Integration, e.g. Jenkins)
- Agile development (e.g. Scrum, Kanban ...)
- Working with clients

Qualifications and Experience:

1st / 2:1 degree in Software Engineering, Computer Science or other STEM subject, from a leading university, or equivalent qualification / experience.

Location:

Southampton Science Park, set in 45 acres of landscaped grounds

ITDev Benefits:

- Flexible working
- Pension scheme
- Health cover
- 25 days holiday, plus bank holidays
- Childcare vouchers for eligible staff, via salary sacrifice
- Free membership of professional institution
- Regular appraisals and quarterly updates with mentor to review personal objectives
- Monthly prize draw reward scheme, where employees recognise each other for displaying company values
- Active sports and social section
- Free fruit!

Salary guide: £27k

Application Details

To apply for a position at ITDev, please send your CV with a covering letter to jobs@itdev.co.uk. Please quote the reference id and explain why you are suited to this position. Please only apply if you have an unrestricted right to work in the UK. We will only respond to individual applicants. No agencies please.

Equal Opportunities

We are an equal opportunities employer (see our [code of conduct](#) for more information).