

## Software Developer

WaveOptics is a world leading designer and manufacturer of revolutionary Augmented Reality (AR) waveguides. Our waveguides have a balance of attributes that deliver a superior display to the widest range of users with a high level of comfort.

This, together with an effective manufacturing process, makes immersive AR commercially viable and accessible to multiple industries.

We are looking for an experienced developer to join our team. This is a chance to develop a greenfield web application using modern tools. You'll be developing a web-based client/server GUI for a scientific simulation application, running on our in-house compute cluster. The application models the behaviour of light using monte carlo raytracing techniques and is used by our team of R&D scientists to design our world-beating Augmented Reality waveguide displays. The UI will include 3D visualisation of objects being modelled.

### The Role:

- Application architecture: JS client with node.js or other suitable server side stack (e.g python based)
- UI design and implementation: working closely with our Science team users
- API design to interface to the C++ scientific simulation engine
- Database design, implementation and administration

### What we need to see:

- Degree in mathematics, physics, engineering or computer science
- 3+ years commercial software development experience
- Solid experience in both JavaScript for web frontend development, and a suitable backend toolset (e.g Node.js or Python + a suitable framework)
- Working knowledge of SQL, and experience with database design and administration
- Agile programming, with a proactive approach to maintaining high quality code with good test coverage



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- Experience with git or a similar VCS
  - Flexible and team oriented, "can do" attitude, appropriate for a dynamic, start-up environment

#### Preferred

- A scientific or engineering background with a high level of numeracy
- Experience of development for both Linux and Windows
- Some C/C++ experience would help in the API design

#### Bonus

- 3D visualisation or game programming experience
- data processing / visualization using MATLAB or the Scientific Python stack

The company offers competitive salaries and benefits package – but the key reason to join is to be at the forefront of a new, exciting technology with enormous potential for global adoption in the coming years.

Our location has good train links from the outskirts of London, Reading, Oxford and Swindon.

To apply to join our fantastic team, please send your CV to [c.graham@enhancedworld.com](mailto:c.graham@enhancedworld.com)

**Closing Date: 30<sup>th</sup> June 2018**