**LL – 3D CAD and Printing, plus VR and AR**

Placement Location: Lincoln  
Application Deadline: 31st of August

**Vacancy Description**  
**Start Date:** as soon as possible  
**Preferred Duration:** 6 months

**The Host Company**

The Host Company designs and sells high quality gifts for children aged 3 to 8. Most of its sales are made direct to consumers over the internet. Major markets are UK, Germany and France, with USA just starting.  
The Host Company's CEO is very hands-on, assisted by a tightly focussed E-commerce team of 10.

**The Placement**

The Host Company has a proven record of using technology to address its business issues. It is now ready to explore the opportunities for using 3D design and 3D printing to bring its product development processes to cutting edge technology.  
The Host Company uses Fusion 360 from Autodesk as its 3D CAD software (students who know SolidWorks) will find similar commands. The early stages of the project will be to design new products that follow the existing range, with a considerable range of experimentation as the Host Company explores the possibilities. Then we will move onto products which are not within our current selection. 3D printing will be outsourced and there will be few technological constraints in what can be attempted.  
Fusion 360 has simple animation possibilities and the student will have the chance to explore these. We will develop VR and AR applications to present our products - these will be for mobile devices, using easily available software. Training will be given where needed. For the Host Company, these projects are experimental but will be conducted in the hope of having publishable content within the period of this placement.  
This is a very interesting opportunity for a student to take the Host Company into a technological area that few of its competitors are exploring. It will appeal to an ambitious and focussed individual, who apart from delivering their own projects will enjoy working with other students (who are on different placements).

**The ideal student(s)**

- Excellent spoken English, written proficiency less important - mother tongue unimportant  
- Good understanding of 3D CAD, preferably SolidWorks or Fusion 360  
- Team player, working within the E-commerce team, identifying opportunities and constraints within the project  
- Technically proficient and able to work alone delivering the project

Contact: ispo@em-dnl.co.uk  
Students can register on our website [http://www.ispo.co.uk/students/21/my-account-register](http://www.ispo.co.uk/students/21/my-account-register) to receive other internship offers