

## Student Reserch Engineer Placement

### Brief Description of Organisation / Department

Gill R&D is a global leader in research in physics-led engineering projects. Our team consists of expert engineers across a variety of disciplines encompassing physics, mechanical engineering, electronics and software development.

### Job description

An exciting opportunity to learn in an environment where you will be fully involved and always supported. This position offers the keen student valuable learning and advancement within Physics. You will be assisting in the development of new sensing technologies, based on principles including but not limited to ultrasonic, optical and electromagnetic. Your tasks will include completing literature reviews into fundamental principles and theory, finite element modelling of designs, designing experiments and equipment to test prototypes. You will undertake and document the experiments, using top of the range equipment, and analyse and informally present the findings, honing your report writing and data analysis skills. This will involve lively discussion with experts in their field, within friendly meetings where your creativity can shine.

### Student specification

Physics students who are enthusiastic, clear thinking, have initiative and able to work independently.

- An interest or experience in ultrasonic principles is highly desirable.
- Knowledge of object oriented programming (Python/C#/C++) would be beneficial but is not critical.

### Placement duration

The placement will commence between **June and October 2018** and run for **1 year** (exact dates flexible and will be agreed between Gill R&D and the applicant during the interview process).

### How to apply

Please send CV and covering letter to [emma.clark@gillinstruments.com](mailto:emma.clark@gillinstruments.com)

For more information please contact Emma Clark at the above e-mail address, on 01590 613944 or visit [www.gillrd.com](http://www.gillrd.com)