



Green New Deal – Student Internships

Cryogenx

About the company

Cryogenx® are developing radical new medtech devices to enable humans to perform in the heat. Our first product, Cryosuit, is a portable, high performance body cooling device, designed to revolutionise heat stroke treatment. Cryosuit is the ice bath in your backpack. Designed to emulate ice water immersion with a fraction of the resources, Cryosuit enables life-saving treatment to be delivered in any scenario. By 2030, the effects of heat stress will cost the global economy \$2.4trn a year, and heat related deaths are predicted to increase by 257%. We're here to change that.

About the role

We are currently iterating through in-house prototypes with the aim to develop and validate a full scale MVP for clinical and field trials. We are looking for a talented and experienced Product Engineer to rapidly expand our in-house product development capabilities, and help drive key technical milestones. The candidate will join our small, dynamic team, and will be primarily responsible for design development, prototyping, testing and engineering analysis of our portable cooling technology.

About the intern

The candidate will be a key figure in the development lifecycle of our product from frontend feasibility testing, to detail engineering design and DFM. The candidate will have strong theoretical knowledge and understanding of the underlying scientific and engineering principles of thermodynamics and fluid dynamics. They will also possess the ability to implement these areas of expertise into functional, validated prototypes. Utilising fast and iterative prototyping skills, fabricating models to create innovative designs, and building working prototypes that solve engineering challenges. 3D modelling skills will enable the development of CAD models of high complexity and technical feasibility. A good knowledge of materials, manufacturing methods and DFM will enable valuable insights into future production and aid decision making throughout product development.

- **Note: The intern must be a registered student (either undergraduate or postgraduate) at any university whilst undertaking the internship (the course end date cannot occur before the internship has been completed).**

Length of internship:

Full time, 3-6 months dependant on candidate availability. Flexible hours, hybrid office / WFH model.

Remuneration: London Living Wage (£11.05 per hour)

To apply: please email your CV and a short cover letter to ccciinternships@imperial.ac.uk and info@cryogenx.com.