



Grade :	Graduate Associate Associate Research Associate
Salary :	IRO £21-30,000 dependent on experience
Term :	2 year fixed, 80-100% FTE
Role :	Quantum Optics Engineer
Description :	Craft Prospect is looking to expand its team. We are looking for a passionate physicist or engineer to support us to realise space projects from concept to delivery. The initial focus of work will be working on the delivery of a quantum optical communication payload and related ground systems for upcoming quantum key distribution mission. As a small team you will be expected to ensure that any gaps in the development process are identified and take action to fill them.
Responsibilities :	Development of quantum systems lab for payload development Integration and testing of the payload and quantum components Design and delivery of space quantum technology systems Generation of design and test documentation
Requirements :	Hands-on experience of (quantum) optics and laser systems Experience in designing, integrating and testing optical systems Knowledge of general quantum technologies Applied experience of electronics, optical and/or mechanical systems Ability and initiative to work autonomously Strong communication skills Desire to work within a small dynamic team Able to work in UK, from Nov 2020 onwards
Preferred :	Knowledge and effective communication of quantum key distribution Experience with performance testing of quantum optical systems PhD or masters in quantum physics, applied optics or STEM equivalent* Experience working with embedded systems for testing Knowledge of CubeSat systems and design for space * alternatively hands-on experience would be appropriate

Line Manager : Quantum Technology Lead

About us : Craft Prospect is a young engineer-led company in its fourth year having consistently doubled turnover and headcount, picking up a number of awards and recognitions along the way. We work on projects for commercial customers and space agencies, as well as cutting edge R&D. We want to develop our employees to become stakeholders within the organisation, able to work within a team leading projects and developing future space mission concepts to make a positive impact. Our diverse team includes former leads of national space missions, experienced industry professionals, and designers of Mars rovers. You will be given the opportunity to support the ongoing development of the company, while we work with you to support your career aspirations.

Benefits : 4 day week option at 80% FTE (Tu-Fr minimum), up to 16% pension (matched salary sacrifice), wellbeing and personal development budget, training

Location : Glasgow, UK

Note: although COVID means some of the work may be performed remotely, it is highly likely work within the company office will be required from the outset given the hands-on nature of the role.

Applying : Applicants should email a cover letter and CV to recruitment@craftprospect.com, using reference 20-01026.

Closing date : An initial closing date of 16th October 2020 is planned, however this may vary depending on the applicants and go live dates, so our recommendation would be to apply early.