

Role :	AI Software Engineer
Salary :	IRO £ 21-30,000 dependent on experience
Term :	2 year fixed with view to make permanent
Start Date :	6 th September 2021 or earlier
Description :	<p>Craft Prospect is looking for an engineer or researcher with experience of developing artificial neural networks and other advanced data processing techniques applied to remote sensing and operations. You will work with engineers at the company in support of our varied portfolio of projects including highly secure quantum communications, and development of more autonomous smart satellites. We will look to you to support the in-house capabilities of the team to deliver AI software components for a range of upcoming space missions.</p> <p><i>The company seeks to develop a diverse and inclusive team, and encourages applications from all backgrounds. In recognition that different groups may respond to job specifications differently and that our developing talent pool can come from all quarters, we seek to minimise the number of prerequisites in any role and rather recruit for attitude, and ability to positively contribute to our small but growing team and our work.</i></p>
Prerequisites :	<p>Experience creating different AI / advanced data processing solutions</p> <p>Understanding of software development practices for critical systems</p>
Responsibilities :	<p>Development of AI approaches for small satellite systems</p> <p>Coding of in-house neural network solutions</p> <p>Support design of advanced processing systems for space applications</p> <p>Development of embedded systems for quantum payload</p> <p>Engage with customers to understand needs and solutions</p> <p>Oversee or perform functional testing of embedded systems</p> <p>Support company development of complex mission payloads</p>
Preferred :	<p>Proven ability to code C/Python to industry standards</p> <p>Deep understanding of AI in embedded systems</p> <p>Experience applying AI to Earth observation or RF data sets</p> <p>Experience of hands-on small satellite development</p>

Understanding of space software development standards
Understanding of FPGA and GPU based computer systems
Familiarity with Xilinx SDSoC and MPSoC tool chains
Ability and initiative to work autonomously
Strong communication skills
Desire to work in SME environment and positively contribute to culture

Line Manager : TBC

About us : Craft Prospect is a young engineer-led company in its fifth year having consistently doubled turnover and headcount every year, picking up a number of awards and recognitions along the way. We are looking for those 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. We want to develop our employees to become stakeholders within the organisation through employee ownership.

You will be given the opportunity to support the ongoing development of the company through other activities such as outreach, business development, marketing and input into company culture. We will work with you to support your ongoing career aspirations and help you discover a long-term role within the company.

See more at: www.craftprospect.com.

Expected Grade : Graduate Associate | Associate | Research Associate

(0-3 years industrial experience anticipated)

This role may be suited to graduates with a background in software development or artificial intelligence, a university researcher looking for a first industry position, or an individual with some equivalent experience in AI looking to enter the space industry.

Benefits : 4 day week option at 80% FTE (Tu-Fr)

Up to 16% pension (matched salary sacrifice)

Wellbeing and personal development budget

Tailored training both internal and external

Yearly team strategy and away days

Employee share ownership scheme

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.

Applicants : Applicants should email a **cover letter and CV** to recruitment@craftprospect.com, using reference 20-01039.

Closing date : An initial closing date of 2nd August 2021 is planned, however this may vary depending on the applicants and go live dates, so our recommendation would be to apply early.

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