

Role : Embedded Software Engineer

Salary : £24-33,000

Term : Permanent

Start Date : From January 2022

Description : Craft Prospect is seeking an embedded software engineer with experience of real-time embedded systems and FPGA development. 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 satellites and subsystems. We will look to you to support the in-house capabilities of the team to deliver embedded software and systems for a range of upcoming space missions. The company encourages engineers to secure and lead projects, meaning the role will seek to support and facilitate their success, ensuring a strong and consistent vision for project delivery is shared across the team, business and stakeholders.

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 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. As a result here, the wider salary range is defined to allow an earlier stage engineer with exceptional potential and delivery record to commit to a challenging next step of their career, as well as a more established space industry technical leader.

Prerequisites : Embedded software and systems development targeting FPGAs and toolchains (C/C++/VHDL)
Software development and testing for critical systems

Responsibilities : Development of on-board data processing solution for small satellites
Development of software for embedded systems
Engage with customers to understand needs and solutions
Oversee or perform functional testing of embedded systems
Support company development of complex mission payloads

Preferred : Proven ability to code C/Python to industry standards
Understanding of AI and machine learning in embedded systems
Experience creating different ML / advanced data processing solutions
Experience of hands-on small satellite development
Understanding of space software development standards
Understanding of FPGA and GPU based computer systems
Familiarity with Xilinx SDSoC and MPSoC tool chains

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.

See more at www.craftprospect.com

Expected Grade : Associate | Senior Associate

Benefits :

- 4 day week option at 80% salary FTE (Tu-Fr)
- Up to 16% pension (matched salary sacrifice)
- Wellbeing and personal development budget
- Yearly team strategy and away days
- Life assurance and support
- Employee share ownership scheme

Location : Glasgow, UK

Required in person/in office

Applicants : Applicants should email a cover letter and CV to: recruitment@craftprospect.com, using reference 21-01053.

Closing Date: An initial closing date of 1st March 2022 is planned, however this may vary depending on the applicants and go live dates, so our recommendation would be to apply early.