



## **Graduate Software Engineer**

Full time position

Start Date: Immediate

Location: London or Westcott Venture Park, Near Oxford UK

Salary: **£25k-£35k**

### **About Flare Bright:**

Flare Bright is a rapidly scaling and award winning small company, based near Oxford, UK. Flare Bright's vision is to use its unique Machine Learning Digital Twin capability to ensure the drone market is safe and has the best performance it can. The core team have taken 30 years of experience in the challenging environment of subsea autonomy, and are applying it to the air to improve flight safety, autonomous capability and mission efficiency, with a particular focus on wind measurement at low heights with high fidelity and GPS-free flight.

We aim to be a distinguishing system that will be 'fitted to fly' on the global drone and aircraft fleet. We are achieving this through constant innovation, with the best people, in a supportive work environment, using our Machine Learning and Digital Twin ecosystem running on reliable, certified software to provide stunning, essential capabilities.

Flare Bright is currently working on a growing number of R&D contracts leading along our roadmap to a mix of software and hardware products around 2024. The company is rapidly growing from 4 people in 2020, to 15 people now, and likely to be 25 by the end of 2023 with further rapid growth likely, supported also by equity investment from leading Venture Capitalists and Angel investors.

### **The Role:**

Working closely with everyone from apprentices to our CTO and Head of Engineering you will be working on a wide variety of software engineering, including ML-enhanced digital twins, autonomous flight algorithms and GNC, simulation-based flight testing and analysis, and in the complete operation of autonomous drones, from logistics, drone setup and testing, mission configuration, launch, asset monitoring, capture, data download, analysis, and data sharing. The work includes software engineering work on C++ on Linux, and Raspberry Pi SBC's, which operate on a range of drone assets.

**Skills & Experience:**

- 2.1 or higher Degree in Software Engineering or a related discipline which included programming.
- You must have a strong grasp of C++, real-time systems, event-driven execution, object oriented programming, formal design methods and test-driven development.
- Good knowledge of and ability to apply modern AI and ML technologies is preferred.
- Able to write well-structured, efficient, documented and tested software to high quality standards following coding conventions.
- Additional knowledge of python/bash scripting, HTML5/JavaScript UI development, or Android mobile app development is an advantage.
- You must be willing to work as part of a team with good interpersonal skills.
- We will consider bright, enthusiastic applicants ranging from graduates to engineers early in their career.

A practical and theoretical knowledge test is part of the interview where understanding of C++ and basic robotics concepts will be checked.

**Benefits and perks:**

- Varied, interesting and challenging work, involving state-of the art drone technology and flight testing.
- Supportive and friendly team with a focus on maximum flexibility and minimum bureaucracy.
- We aim to be a leading company in terms of company perks, including holiday, employee share schemes, mid and end of year bonuses, training and qualifications. Incentives that make us work well together and make us happy in our workplace.
- Westcott has an on-site cafe, and is bike, electric car and parking-friendly. Our offices have showers and our own well-stocked kitchen.
- Flexible working: Flexible working is available as well as some remote working, but you must generally be based in our offices and workshop in Westcott Venture Park (30 minute drive from Oxford), or London for 3-4 days a week. We will not accept applications for purely remote working at this time.

Westcott Venture Park is a 650-acre business park, which has a vibrant community of over 80 companies in the tech, aerospace and space sectors, located very close to Oxford, Bicester, Aylesbury and Thame sandwiched between the M1 and M40.

We work in defence as well as commercial and 'blue light' sectors, so you must be comfortable working within the defence industry, and be eligible to work in the UK. We have a preference for those who will be able to work on sensitive defence projects due to nationality (typically UK, NATO or Five Eyes). Due to the security classification on the work we do, we will undertake a routine Baseline Personnel Security Standard check on the successful applicant, which includes references and career history checks.

If this sounds like something you are interested in, please message us with a **CV (2 pages maximum) and cover letter** on [careers@flarebright.com](mailto:careers@flarebright.com) and we'll arrange a conversation with further information.

**NO RECRUITMENT AGENCIES**