



Software Engineer (Boston)

Top Flight Technologies (www.topflighttech.com) – the first commercial UAV manufacturer to utilize a hybrid propulsion engine for extended flight and enhanced payloads is seeking Software Engineer(s) to be part of its engineering team. We are looking for individuals that have core programming and problem-solving expertise, and that can work individually and on team project assignments. The work environment is centered on agile development, where designs are quickly tested, problems resolved, ideas improved, products built and tested. Candidates should have a passion for building innovative product solutions.

Yes, this is a well-funded startup; the work is demanding, and also really fun grasping new skills while working with other bright and energetic engineers and team members.

Candidate responsibilities include:

- Develop firmware and control software in C/C++
- Work with control and hardware engineers to develop robust flight control systems for small to large scale drone systems
- Develop self-diagnostic code strategies to enable in-flight safe recovery from fault states
- Develop and manage firmware and software revision control and deployment strategies
- Work with engineering team to design and optimize the next generation of control architecture and power management systems
- Identify and qualify new technologies that enable remote and autonomous operations of UAV's.
- Develop and manage firmware and software revision control, continuous integration and deployment strategies
- Perform sensor integration with flight controls

Must have requirements:

- BS or higher in computer science or commensurate engineering field
- 2+ years of experience building and deploying successful commercial-quality software applications and systems
- 2+ years of hands-on experience in C/ C++, Java, as well as other high-level languages such as Python
- Working knowledge in web-development and cloud-based computing
- Experience with physics-based simulation frameworks and graphics engines
- Experience developing/integrating algorithms and sensors with the Robot Operating System (ROS)
- Experience with unmanned systems (Fixed wing & VTOL platforms), flight controllers, physics-modeling, power systems, sensors, navigation, communications, and micro-controllers all a plus
- Effective communication skills (both verbal and written)

What's in it for you?

- Work side by side with a world-class technology and business leadership team that is defining new markets in the growing domain space of unmanned systems and where the solutions are recognized as industry leaders
- Tremendous growth opportunity; competitive compensation package including base salary, plus bonus, stock options and benefits.

You must be authorized to work in the United States on a full-time basis for any employer.

PLEASE COMPLETE THE SOFTWARE ENGINEER SURVEY (next page) and send with resume to jobs@topflighttech.com for consideration.

No agencies please. No relocation.



Top Flight Technologies
Software Engineer Job Application Survey

Name: _____

Email Address: _____

1. Please rate your abilities in the following areas:

	Excellent	Good	Fair	Poor	n/a
C/C++ coding ability					
Python coding ability					
Teamwork					
Algorithms experience, e.g. control, SLAM, Sensor Fusion, Image processing etc.					
Experience with drone autopilot flight stacks					
Experience with modeling and simulation					
Experience with ROS					
Writing and oral					

2. Tell us about one of your most challenging but favorite projects and why?