



Flight Controls Engineer (Boston)

Top Flight (www.topflighttech.com) – the first commercial UAV manufacturer to utilize a hybrid propulsion engine for extended flight and enhanced payloads is seeking a Flight Controls Engineer to be part of its engineering team. We are looking for individuals that have core controls 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 flight control system architecture for large scale multi-rotor UAV vehicles with focus on reliability, system robustness, self-diagnostics and fault recovery.
- Develop flight control algorithms for deployment on UAV vehicles.
- Work with software and hardware teams to implement flight controls and sensor integration.
- Develop test and validation procedures for evaluation and development of control structure.
- Identify and qualify new technologies that enable remote and autonomous operations of UAV's.
- Integrate sensor feedback with flight controls and communication strategies.

Must have requirements:

- BS in Aerospace or Mechanical Engineering.
- 3+ years of experience in flight control system design.
- Experience implementing control architectures in microcontrollers.
- Able to manage multiple parallel projects, highly organized with great attention to detail.
- Strong communication skills (both verbal and written); direct experience interacting with clients/strategic partners.
- Experience with unmanned systems (Fixed wing & VTOL platforms), flight controllers, power systems, sensors, navigation, communications, and RC based solutions all a plus.
- Familiarity with ROS and Gazebo simulations tools a plus.

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 forward cover letter and resume to jobs@topflighttech.com for consideration.