



UAV Systems Intern

UAVIO Labs. · Bengaluru, Karnataka, India (Hybrid)

Closed · Closed 1 month ago · Free job post · 468 views

[View applicants](#)

[Repost job](#)



[Job Info](#)

[Settings](#)

Job description

UAVIO Labs is developing next gen unmanned aerial systems capable of GPS denied navigation and unsupervised autonomy. We are assembling a diverse team of experts in artificial intelligence, computer vision, sensor fusion, optics, and data analysis. We are looking for a self motivated and passionate individual, with a strong desire to learn and the ability to lead. This position is for a UAV System Intern. See the detailed job description below:

Responsibilities

- Develop and design cutting-edge Unmanned Aerial Vehicle (UAV) and lead the team of energetic engineers
- Plan and execute flight test plans for new software features, electronics, sensors, and payloads
- Perform hands-on mechanical and electrical integration of new hardware components on the internal fleet of test vehicles for R & D and testing
- Troubleshoot and debug any components of a drone and service and maintenance of fleet vehicles
- Learn about the domain and understand competitors to be able to propose new drone applications, as well as, improvements in existing applications

Experience/Skills

- Broad range of knowledge and experience but also have specific experience with small unmanned aircraft systems (sUAS) and their applications.
- Highly experienced with Pixhawk, PX4 and other flight controllers, including setup and operations
- Demonstrated ability to fabricate and fly small unmanned aircraft
- Familiarity with UAV platforms, like Pixhawk, DJI, Ardupilot and PX4
- Experience in using flight-planning and ground control station software
- Knowledge of interfaces and protocols such as USB, I2C, UART, SPI, Ethernet, CAN, ROS2, ISAAC
- Experience in integrating, operating, and tuning autopilots on a variety of unmanned vehicles
- Basic knowledge of electrical test equipment (multimeter, oscilloscope) and UAS sensors
- Ability to work hands-on with electro-mechanical systems including assembly, disassembly, testing and troubleshooting
- Ability to own a variety of tasks in an autonomous environment



Ability to fly both fixed wing and multi-rotors

- Passionate about aerial robots
- Has done live and real-world projects
- Programming languages and scripting for engineering use (C++, C, MATLAB, Python)

Eligibility

- Currently enrolled in a Bachelor's or Master's Degree in Computer Science, Mechanical, Aerospace, Electrical Engineering, or a related engineering field

The ideal candidate will help build, maintain, and troubleshoot, the company's rapidly expanding infrastructure. They will work alongside other engineers to ensure highest levels of performance and ability, and manage any problems that arise.

Responsibilities

- Manage and monitor installed systems
- Test and maintain operation systems
- Monitor application performance

Qualifications

- Bachelor's degree in Computer Science or related field
- Experience in configuring, monitoring and troubleshooting systems
- Strong scripting and technical skills

Employment Type

Full-time

Show less ^

Screening question

Must-have qualifications

Experience in Flying ,Design & Fabrication of Multi-rotors or Fixed wings

Ideal answer: Yes

Any work Experience with Pixhawk,PX4 and Ardupilot?

Ideal answer: 1

Preferred qualifications

How many years of work experience do you have using Python (Programming Language)?

Ideal answer: 1



Home



My Network



Job

[Questions?](#) [Contact Support](#) | [Help Center](#)