



Software Verification Engineer

At Martin UAV, our mission is to build the world's most advanced autonomous flying robots with a focus on safety, reliability and repeatable performance. Our technology team specializes in building tactical systems from the ground up and addressing the vast capability gaps left by legacy technologies. With decades of rapid design and build advancement, our platforms offer capabilities unmatched in the world.

We're looking for a Software Verification Engineer to lead the design, development and execution of software verification for our embedded control systems.

Responsibilities

- Coordinate with the Software team to develop software verification test frameworks, test plans and test scenarios.
- Perform and execute testing in alignment with agreed-to plans to improve performance and reliability.
- Create, modify and optimize software simulation test environments.
- Design, oversee the build, and verify test fixtures required to support software testing.
- Assist the software development team in planning, critical observation, and reporting.
- Update regression test tools and create a feedback loop to the software team.
- Document test plans, procedures and test hardware configurations.
- Assist in the development of embedded software as required by the software team.

Qualifications

- Bachelor's degree in electrical engineering, computer science or related field of study.
- 5+ years of direct experience in this field.
- Experience in developing embedded software, C/C++, GNU toolchain.
- Comfort with Git or similar software version control tools.
- Extensive background in low-level firmware architecture, design and development including: low-level device drivers, communications protocols, control systems and power management.
- Comfortable with typical embedded systems tools, compilers, debuggers and IDEs.
- Strong understanding of microprocessor and electrical systems.
- Experience interfacing, I/O hardware including analog, discrete and serial data.
- Experience with the creation and execution of test plans.
- Experience developing automated tests.
- Strong debugging skills through use of instrumentation such as oscilloscopes and protocol analyzers.
- Excellent communication skills and ability to lead development efforts.
- Self-starter that enjoys small focused teams and an aptitude for working across disciplines when required.
- Applicant must be a U.S. person (citizen or permanent resident).



Preferred Qualifications

- Bachelors or Masters in Computer Science, Electrical Engineering or related field.
- Experience with unmanned aircraft systems.
- Familiarity with unmanned vehicle command and control languages MAVLINK, STANAG 4586.
- Experience with requirement generation and verification testing.
- FAA and DOD software development and testing methodologies/requirements.

Martin UAV is located in Prosper, Texas. We offer a comprehensive benefits package including medical, dental, vision and life insurance, PTO days, and a 401(k) plan with company matching.

Contact our Careers Team at Careers@MartinUAV.com to submit a resume and a statement regarding your suitability for this position.