

## **Software Engineer**

### **The Position**

We are seeking a Software Engineer to develop, test and maintain software across our full product stack. You'll work on embedded and desktop applications, hardware-in-the-loop testing setups as well as responsive user interfaces. Your software design and coding skills will be instrumental in creating reliable software that drives and supports our products.

### **Key Responsibilities**

- Develop, optimize, and debug software for embedded and desktop systems (embedded Linux, Windows).
- Work with optical engineers and electronics teams to integrate software and firmware; ability to read schematics is a plus.
- Design and implement algorithms for optical instruments applications.
- Build and maintain HTML/CSS/JavaScript user interfaces for responsive GUI.
- Design, implement and maintain automated test frameworks, unit and integration tests, and hardware-in-the-loop (HIL) test setups.
- Collaborate with cross-functional teams to shape architectural and test strategy decisions.
- Contribute to continuous quality improvements, including CI/CD pipelines, test automation.

### **Essential Education and Experience**

- Proven experience in software development projects.
- Bachelor or Master degree in Computer Science, Electrical Engineering or related field, or equivalent industry experience.
- Strong programming skills in C++ and Python.
- Experience designing and implementing automated tests and test frameworks (unit, integration, system).
- Familiarity with web technology (HTML, CSS, JavaScript) for building responsive UIs.
- Familiarity with Continuous Integration (CI) and Continuous Deployment (CD) methodologies and integrating tests into pipelines.
- Excellent problem-solving skills and the ability to adapt in a fast-paced environment.
- Strong written and verbal communication skills.

**Desirable skills**

- Experience with embedded Linux systems and firmware development.
- Knowledge of FPGA.