

## Software Intern

MBio Diagnostics of Boulder, CO ([www.mbiodx.com](http://www.mbiodx.com)) seeks an intern to supplement its software development team. MBio is leading a new era in rapid, on-the-spot sample testing for diverse applications including human clinical diagnostics, food safety, and veterinary applications. MBio's core technology is a patent-protected planar waveguide system developed for fluorescence immunoassays, molecular diagnostics, and cell-based assays.

### Job Duties:

The software intern will work with existing members of the software development team to improve the quality of an existing code base for an embedded computer system used to analyze biological samples. As the software will eventually be submitted to the FDA, the software intern will work under a software quality system to ensure high-quality code is produced. Primary job functions will include reviewing/documenting existing code, suggesting/authoring improvements, authoring unit tests for automated testing, and implementing a continuous integration system.

### Requirements:

- A degree (or working towards a degree) in Computer Science or related field.
- Experience programming in C++
- Strong understanding of object oriented design patterns

### Desired Skills / Experience:

- Strong preference will be given to candidates with the following skills and experience. Relevant background should be highlighted in the cover letter.
  - GUI programming with Qt
  - Inline documentation systems such as Doxygen
  - Unit test frameworks (e.g., JUnit)
  - Experience with Git version control system
  - Familiarity with configuring continuous integration systems such as Jenkins/Hudson
  - Configuring computers running the Linux operating system
  - Experience with embedded computer systems such as Raspberry Pi/Beaglebone.
  - Experience with microcontroller systems such as Microchip PIC's.
  - Authoring C++ template classes

Applicant must have authorization to work in the U.S. Resumes must be accompanied by a cover letter explaining how the applicant meets the job requirements and desired skills. Please email resumes to [jobs@mbiodx.com](mailto:jobs@mbiodx.com) with applicant name and the job title listing in the subject line. No phone calls, please.

MBio Diagnostics, Inc. is an Equal Opportunity Employer.