



Senior Software Engineer

Company: MacuLogix, Inc. is a medical device company based in Harrisburg, PA. MacuLogix is the only company to equip eye care professionals with the instrument, tools and education needed to effectively diagnose and treat patients with AMD. By leveraging the science of dark adaptation through its AdaptDx, MacuLogix is working to eliminate preventable blindness caused by AMD, a chronic, progressive disease that impacts over 170 million people worldwide and goes undiagnosed in 25 percent of patients.

Current Need: We are seeking a talented and motivated Senior Software Engineer experienced in problem solving, software design, and implementation using 'best-practice' techniques. The ideal candidate will have a strong software development background with a working knowledge of image processing and mathematics. Familiarity with hardware is desirable. This person will be primarily responsible for the support and enhancement of the AdaptDx Operating Software on our current and next generation products. This is a full-time position with benefits. The expected start date is June 17, 2019.

Responsibilities:

- Become familiar with the current AdaptDx software and hardware architecture, including management and implementation of the design changes for the next generation of instrument.
- Support existing AdaptDx Operating Software, with enhancement and maintenance responsibilities for this product moving forward.
- Become part of the software team responsible for next generation product(s).
- Any other duties as assigned by your direct supervisor.

Qualifications:

- Bachelor's degree in Computer Science, Mathematics, or Electrical Engineering is required, Master's degree preferred.
- Proficiency in the following software areas highly desirable:
 - 'c', 'C#', and 'C++' required, other languages as needed
 - Experience with embedded systems preferred
 - Linux (or Unix) development and Microsoft Developer Studio required
 - shell-scripting, including 'bash' and 'sh'
 - database design and implementation, 'postgresql' experience preferred
 - graphical user interfaces, 'gtk' and/or 'Qt' experience preferred
 - source code control systems, 'git' experience preferred
 - Microsoft Office Suite (Outlook, Word, Excel, PowerPoint, etc.)
- Ability to interact with and handle digital equipment and printed circuit boards.
- Reasonable mechanical ability, i.e. be able to install a memory chip or SSD.

Compensation: Competitive salary based on prior experience with benefits package.