



Dedicated to Helping Patients Survive Cancer

**SOFTWARE ENGINEER (C#, MATLAB)
For Immediate Hire**

NanoCytomics has a simple goal: Save Lives. Using a breakthrough cancer screening system known as PWS, NanoCytomics detects nanoscale abnormalities in cells from patients harboring cancer. These abnormalities are undetectable with current technologies and develop long before cancer is symptomatic. NanoCytomics, using PWS, identifies individuals with a significant risk for cancer while it is highly treatable, potentially saving millions of lives in the process.

Position Summary:

The Software Engineer is responsible for making, breaking, and fixing code for a fully-automated cancer screening system. The Engineer will participate in many tasks including development of user-interfaces, hardware automation, and refining a full suite of image- and signal-processing algorithms. Ultimately, the Software Engineer will develop beautiful code that not only gets the job done, but also passes the sharp scrutiny of the FDA.

The Software Engineer position is fast-track with the potential to advance to Lead Software Engineer. During a 6-month training and assessment period, the candidate will:

1. Learn the Fundamentals of PWS Microscopy
2. Develop a Working Knowledge of FDA Regulations and Industry Guidance
3. Effectively Utilize Version Control, Documentation, and Unit Testing Tools
4. Develop Team Work and Communication Skills
5. Produce Working Code
6. Thrive Under Pressure

The Software Engineer's primary responsibilities:

1. Making, breaking, and fixing code.
2. Developing intuitive user-interfaces for data acquisition and analysis.
3. Refining image-processing algorithms for automated cell-detection.
4. Machine automation for data acquisition.

The Software Engineer's additional responsibilities:

1. Performing development in compliance with FDA standards and industry guidance.
2. Identifying Use-Case Scenarios and execution of Usability Testing and Engineering.
3. Assisting in Development of Software Requirements, Architecture, and Hazards Analysis.
4. Execution of Unit Testing and System Validation.
5. Documentation.

Candidate Requirements:

1. Highly flexible and self-driven programmer with great work ethic and strong communication skills.
2. Proficiency in C#/.NET and MATLAB required.
3. A passion for human biology and medical devices a must.
4. Experience with image-processing and digital signal-processing preferred.
5. Experience with hardware automation preferred.
6. Experience with UI Design preferred.
7. 1 – 3 Years Experience (including internships and co-ops).

Interested Candidates Should Contact:

Justin R. Derbas | | Software Architect | | justin@nano-cytomics.com