CytoVeris Inc. is an emerging biotech company formed with the vision of changing the paradigm in cancer surgery through the introduction of optical “guided surgical tools”. CytoVeris is translating the convergence of optical science, cancer biology and artificial intelligence to clinical application. Our technology helps surgeons discern cancer tissue from healthy tissue in real time during surgery, increasing the probability of successful surgical outcomes. We use a multi-modal approach, including Raman Spectroscopy, to provide an optical “fingerprint” of the tissue to the molecular level.

If you’re inspired by the possibilities of technology to improve patients’ lives and you thrive on working in a dynamic environment where each person can make a significant difference, consider joining our team.

**Position: Principal Software Engineer**

CytoVeris, located in central Connecticut, seeks a motivated, skilled engineer to develop software for our biomedical optical products. This person will develop and test prototype embedded and PC-based software for prototype, pre-production and commercial versions of new optical imaging and spectroscopic products targeted for use in cancer surgery and pathology. Additional areas of work include research, design and creation of artificial intelligence/machine learning algorithms to classify spectral data obtained from biological samples. This position is a key member of the start-up team, working with and for the Chief Software Architect.

**Responsibilities:**

- As part of a small team, you will play a key role in the software design, development, testing, and support of a new class of guided surgical devices.
- Collaborate with a diverse team of engineers, scientists, clinicians and business development professionals, and work in a dynamic, fast-paced environment.
- Develop algorithms for signal processing and classification, including deep learning and AI platforms.
- Data mining and warehousing of spectral data to optimize classification accuracy.
- Test and document software consistent with ISO13485 medical device development processes.

**Requirements:**

- B.S. in Computer Science, Data Analytics, Engineering, Mathematics or related field
- 3 plus years of experience in software programming
- Fluency in Python and C# with an aptitude for picking up new languages quickly
- Experience with robotics and machine vision
- Experience working as part of a multi-disciplinary team, in a fast-paced prototyping and product-development environment.
- Ability to quickly turn user requirements into high-quality software and perform fast iterations
- The ability and desire to work independently, a passion for learning and desire to bring new products to market that make a positive impact on humanity
- Experience with several of the following:
  - User interface design and 3D graphics
  - Understanding of Deep Learning/Artificial Intelligence principles, various network architectures (CNNs, GANs, etc.), regularization, loss-functions, optimization strategies
  - Scientific analysis and prototyping environments such as the SciPy/NumPy stack or with an ML framework such as TensorFlow or TORCH
  - Database, data mining and cloud computing (SQL Server, MySQL, Azure/AWS)
  - Agile software development methods and git source control
  - ISO 13485 development environment
  - Spectroscopy, optical and medical instrumentation
Benefits:

Competitive base salary
Incentive Stock Options
Competitive vacation and holidays
Healthcare Insurance
Flexible spending accounts

EEO & Employment Eligibility

CytoVeris is committed to equal opportunity in the terms and conditions of employment for all employees and job applicants without regard to race, color, religion, sex, sexual orientation, age, gender identity or gender expression, national origin, disability or veteran status. CytoVeris also complies with all applicable national, state and local laws governing nondiscrimination in employment as well as work authorization and employment eligibility verification requirements of the Immigration and Nationality Act and IRCA.

ARE YOU INTERESTED AND QUALIFIED?

Please apply on the CytoVeris Indeed.com Web Site:

https://www.indeedjobs.com/cytoveris-inc/hi/en_US?cpref=JXWAtnzf3XW5aRnY2g_zos_1WAXHb5RLbLZ268i4i-8