

Computer Scientist

LifeCanvas Technologies is an MIT startup developing cutting-edge technologies and platform that reshape biological tissue studies with the mission of expediting breakthrough discoveries in science and medicine to improve human health.

We are tackling problems that span a variety of domains: image analysis, big data and machine learning (reconstruction, registration, segmentation) to achieve user-friendly, robust and scalable solutions for our tissue-processing platform. As a computer scientist, you will design, develop and launch algorithms and software packages that will be used in our computational pipeline. This will involve extracting biologically-meaningful data from raw image stacks produced by light-sheet imaging of large tissue samples. You will also create user-friendly next-generation programs for image analysis from both existing platforms and from the ground up. Future projects will include leading translation of business and functional requirements into concrete deliverables as well as building quick prototypes and proof of concept for internal projects as well as partnerships with other technology leaders in academia and industry. Knowing how to work with large datasets is a must and experience with image processing is a plus.

As one of our first hires to the company, you will be an integral part of our data science team and spearheading our computer vision, machine learning, and automation needs. Leadership opportunities are almost expected to become available to you as the company scales.

Our ideal candidate will be:

- Experienced in Python, C++ or a similar language - required
- Experience with image analysis, microscopy, and/or biological research are a strong plus
- Experienced working with large datasets
- Able to facilitate quantitative processing and interpretation of highly-multiplexed microscopic images.
- Able to develop practical solutions to complex problems informed by latest state of the art and with limited guidance
- Demonstrate depth and breadth in state-of-the-art computer vision and machine learning technologies

Characteristics we are looking for:

- You're full of energy, adaptability, grit, and sincerity
- You are solution-oriented; your job often entails solving a problem and providing a solution
- You communicate with clarity and keep the team in sync
- You are all about follow-through and delivery
- You have a 'no task too small' attitude and top-notch work ethic
- You are able to work under tight deadlines with exceptional attention to details

Why LifeCanvas Tech?

- Impact millions of people's health by developing and disseminating revolutionary tools to expedite discoveries in science and medicine
- Collaborative, positive, and proactive culture with the mantra to improve the status quo
- Work with the brightest minds
- Fast and dynamic environment to grow and lead
- Make your ideas become products and services

Location - Cambridge, MA**Salary and Compensation - Commensurate with experience and negotiable**

If you are interested in applying for this position and working at a mission-oriented and fast-paced startup, please send your CV to rhie@lifecanvastech.com