

LifeCanvas Technologies is an MIT startup developing cutting-edge technologies that are reshaping the field of biological tissue labeling and microscopic analysis, with the mission of expediting breakthrough discoveries and improving human health.

As a **Technology Lab Assistant**, you will provide direct data analysis support for Life Canvas Technologies' in-house tissue processing and imaging service. Your primary responsibility will be to execute cutting-edge data analysis workflows operating on 3D image data generated by our flagship workflow for whole tissue clearing, labeling, and imaging. You will employ state-of-the-art artificial intelligence algorithms to further the research efforts of world-class scientists in bioengineering, neuroscience, and related fields across the globe. Additionally, you will assist our in-house tissue processing team through the execution of our flagship systems, SmartClear 2 Pro, SmartLabel and SmartSPIM. The results of your work will provide customers with the highest level of insight to support their research objectives.

The **key responsibilities** of this role are as follows:

- Configuring & executing in-house data processing workflows on large 3D image data sets
- Summarizing and communicating key patterns identified in image data sets
- Operation of tissue clearing, labeling, imaging systems as needed to support tissue processing team
- Opportunity to develop and evaluate novel algorithms to extract meaningful information from large 3D image data sets

Our **ideal candidate** will have:

- Minimum of bachelor's in an engineering, neuroscience, or biological science discipline
- Background/experience in performing data analysis and presenting results
- Experience with image processing and/or working with image data

Exceptional candidates will have:

- Experience with scientific programming in python
- Understanding of artificial intelligence and machine learning algorithms

Characteristics we are looking for:

- You're full of energy, adaptability, determination, and sincerity
- You communicate clearly and keep the team in sync at all times
- You have organizational skills to manage multiple simultaneous analysis tasks
- You are all about follow-through and delivery, and you match great intentions with great results
- 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 lives 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
- Have fun making your ideas become products and services
- The perfect hybrid that combines the perks of working for a large company with the adventures, opportunities and pace of working for a startup
- Health benefits, 401K setup, Lunch Wednesdays

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