

AI/ML Imaging Engineer at Biomedical Diagnostics Startup

We are a Boston-area biomedical diagnostics startup company seeking a highly skilled AI/ML imaging engineer to join our team.

Your mission will be to innovate lean, robust, high-performance ML models and pipelines for diagnostic imaging, to improve patient outcomes against some of the most common causes of death in the world.

Required Qualifications

- Proficient in Python and experienced with deep learning frameworks such as PyTorch and TensorFlow
- Demonstrated expertise in computer vision and image processing methodologies
- In-depth experience with image-to-image translation, e.g. U-Net architectures, Generative Adversarial Networks (GANs), super-resolution techniques, attention, multiple-instance learning, etc.
- Strong understanding of underlying machine learning principles and best practices (what works well and why, what fails, what is proven, what is still unknown)
- Exceptional analytical and problem-solving skills with a keen attention to detail
- Exceptional visualization skills (clarity, techniques, clear labeling)
- Strong record-keeping and written and oral communication skills
- Professionalism, a sense of mission, and a desire to work with others who feel the same in a fast-paced, collaborative research environment

Preferred Qualifications

- Advanced degree (PhD or MS) in computer science, machine learning, or related field
- Exceptional publication record (arXiv) and/or publication in reputable AI/ML conference proceedings (e.g., NeurIPS, CVPR, ICCV)
- Familiarity with diverse imaging modalities and imaging scales (e.g. astronomy, microscopy)

Particulars

- Company headquarters: Beverly, MA; on-site work required
- Competitive salary and equity compensation package
- Comprehensive health benefits and flexible paid time off

Why Join Us?

With the above qualifications, you could work anywhere. But ask yourself: do you want to be just a cog in someone else's machine? Punching a clock for a paycheck? Working on something sad, boring, or meaningless? Or do you want to be a mission-critical part of building things to save lives? If the answer to that last question is "yes," please send a short (~250-word) cover letter and resume/CV, including any links to your GitHub or other relevant work, to careers@astradx.com.

Note: Your cover letter should:

- Explain what it is about us, and/or about your background, that makes you interested in us specifically (~100 words)
- Mention one concept, idea, invention, or discovery that you've come across in the past year or so that you've found **really cool**, and describe **why** (~100 words). It can be related to this area, your own work, or something else