Job Title: Data Scientist (internships also available)

Location: Virtual

Headquarters: San Francisco, CA

Alife Health is a technology company that was founded with the mission of helping people have healthy children. By using advancements in deep learning and software development, Alife is developing technology to increase the pregnancy outcomes associated with IVF (in-vitro fertilization) and create tools that will benefit clinical institutions and patients alike.

Overview

We are looking for a talented (Senior) Data Scientist to help shape Alife’s technology. In this position you will work closely with the data science team, in addition to software and product teams, to understand clinical needs, organize and process large clinical datasets, and design and implement algorithms that will improve patient outcomes.

The ideal candidate for this position has hands-on experience developing algorithms for medical devices, a strong background in data science / machine learning, and is excited to work in a highly technical, fast-paced, and cross-functional startup environment.

Core Job Responsibilities

- Research and understand the clinical problems we are trying to solve
- Receive, organize, and inspect clinical data, including microscopy images, ultrasound images, and EMR data
- Design and implement deep learning algorithms (CNNs) for image classification and semantic segmentation
- Set up workflows for hyperparameter tuning to optimize performance
- Explore techniques for data augmentation with style transfer and GANs
- Track and organize experimental results, including key performance metrics
- Work with software team to deploy trained models into production
- Assist with algorithm testing and documentation
- Stay up to date on clinical, scientific, and technical literature

Required Knowledge/Skills, Education, And Experience

- Ph.D. or M.S. in computer science or related engineering field
- 2+ years hands-on experience in data science / machine learning, developing algorithms for large image and/or tabular datasets
- Proficient in Python and machine learning libraries (SciKit-learn, SciPy, NumPy, Pandas)
- Experience with deep learning frameworks (PyTorch, Tensorflow)
- Experience with cloud computing (AWS, Google Cloud)
- Comfortable in Linux/Unix development environments
- Organized, self-directed, efficient and able to manage priorities and expectations

Nice to have Knowledge/Skills, Education, And Experience

- Experience working on medical devices, or in another regulated industry

Contact: hiring@alifehealth.com