

FASTER & SAFER

CARDIAC ASSESSMENT



Sensydia

Algorithm/Data Science Engineering Intern

Engineering

Part-time

12+ months

Remote

\$ 25 - \$35 per hour

About this role

Ready to revolutionize the medical device industry with your engineering skills? If so, this role at Sensydia is for you. Join our forward-thinking team as a collaborative problem solver, where you'll have the unique opportunity to design and develop machine learning algorithms that support Sensydia's Cardiac Performance System – a device that provides fast and safe cardiac assessment to improve lives of millions of people with compromised heart function.

In this role, you will

- Collaborate with a team of R&D engineers on the AI algorithm development for cardiac assessment
- Prepare and manage large datasets
- Apply signal processing and machine learning tools in MATLAB to analyze physiological data and create signal features
- Implement machine learning frameworks in Python
- Test, evaluate, and document system configuration trials

Required Qualifications

- Undergraduate or graduate student in engineering or computer science
- Fluency in MATLAB or Python
- Knowledge of basic machine learning techniques such as classification, regression, supervised learning, unsupervised learning, etc.
- Familiarity with statistical tools to analyze patterns in complex datasets
- Excellent problem-solving and analytical skills
- Availability for a minimum of 12 months

Preferred Qualifications

- Understanding of basic signal processing
- Expertise in Feature engineering

- Experience documenting code and creating architecture/block diagrams
- Knowledge or strong interest in medical devices
- Familiarity with cardiac anatomy and physiology

Join a rapidly growing company that's democratizing cardiac performance assessment.

Sensydia is a high-performance and high-trust company. We develop great products through excellence in research, engineering, and clinical development. We value talent, diversity, passion, ingenuity, authenticity, integrity, and humility. We value the health of our team members and encourage time for family, friends, and adventure. We believe in teamwork over ego, perseverance over panic, and resolution over blame. We move fast and lean, celebrate our wins, and learn from failure.

Interested in applying? Send your resume to info@sensydia.com