

United States Jobs Expertini®

Research Engineering Co-op

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Company: irhythm

Location: San Francisco

Category: architecture-and-engineering

Boldly innovating to create trusted solutions that detect, predict, and prevent disease.

Discover your power to innovate while making a difference in patients' lives. iRhythm is advancing cardiac care...Join Us Now!

At iRhythm, we are dedicated, self-motivated, and driven to do the right thing for our patients, clinicians, and coworkers. Our leadership is focused and committed to iRhythm's employees and the mission of the company. We are better together, embrace change and help one another. We are Thinking Bigger and Moving Faster.

About This Role

iRhythm is seeking a Research Engineering Co-op to join our Product Development team for 6 months (June 2024 – December 2024). This position will require you to be on-site at our San Francisco, California office. Our work environment is highly collaborative, and engineers at iRhythm work passionately to deliver innovative solutions that improve the quality of healthcare and the patient experience. We are looking for like-minded individuals to join our team!

In this role, you will contribute directly to early-stage research efforts to develop wearable bio-sensors, collaborating alongside a team of multi-disciplinary engineers. You will be treated as a regular member of the engineering team, inclusive of involvement in critical projects, expectation of high-quality deliverables, and accountability for the work you do.

Responsibilities & Opportunities:

Specific job responsibilities and opportunities may include:

Supporting early-stage research in evaluating promising technologies for incorporation into wearable sensing solutions

Conducting user studies to collect data from sensors on human subjects

Developing and executing test protocols to characterize research prototypes

Identifying and applying various signal processing and analysis techniques to improve our understanding of data using Python or R

Analyzing and debugging electrical circuits

Working with lab equipment like multi-meters, oscilloscopes, power supplies, etc.

Engaging in rapid prototyping activities, e.g., using evaluation kits and creating basic 3D models in SolidWorks

Gaining exposure to the healthcare environment, particularly evaluation of clinical needs and use cases

Working alongside a technical team to rapidly prototype electromechanical research platforms

Learning to be creative, flexible, and agile in a research environment at a medical device company

Contributing to generation of intellectual property

About You:

We are looking for an enthusiastic biomedical, electrical, or mechanical engineering student who is interested in cutting edge research in the medical device space. You should be excited about working on early-stage projects, be a quick learner, and enjoy working with a highly multidisciplinary team. You recognize the need for thoughtful, data-driven decision-making, and have strong prototyping and debugging skills to support technical feasibility studies. You have excellent engineering fundamentals, love to solve problems, and are resourceful.

Desired Qualifications

Pursuing a PhD degree in biomedical, electrical, mechanical, or a similar engineering discipline

Familiarity with physiological parameters and sensing (e.g. ECG, pulse oximetry, blood pressure)

Practical application of hypothesis-driven experimental design

Strong foundation in math and physics, with an understanding of basic statistical principles

Detail-oriented and diligent about maintaining a lab notebook

Strong written and verbal communication skills, and a positive attitude

Comfortable working with minimal supervision

What's In It For You

If you work in San Francisco CA for a minimum of 8 hours per week for 90 consecutive days, you will be eligible to participate in iRhythm's health benefit plans. You will accrue time for Paid Sick Leave in accordance with Company policy and will be eligible to participate in some of iRhythm's wellness programs.

FLSA Status:Non-Exempt

Actual compensation may vary depending on job-related factors including knowledge, skills, experience, and work location.

Estimated Pay Range

\$30 —\$37 USD

As a part of our core values, we ensure a diverse and inclusive workforce. We welcome and celebrate people of all backgrounds, experiences, skills, and perspectives. iRhythm Technologies, Inc. is an Equal Opportunity Employer. We will consider for employment all qualified applicants with arrest and conviction records in accordance with all applicable laws.

iRhythm provides reasonable accommodations for qualified individuals with disabilities in

job application procedures, including those who may have any difficulty using our online system. If you need such an accommodation, you may contact us at taops@irhythmtech.com

About iRhythm Technologies

iRhythm is a leading digital healthcare company that creates trusted solutions that detect, predict, and prevent disease. Combining wearable biosensors and cloud-based data analytics with powerful proprietary algorithms, iRhythm distills data from millions of heartbeats into clinically actionable information. Through a relentless focus on patient care, iRhythm's vision is to deliver better data, better insights, and better health for all.

Make iRhythm your path forward. Zio, the heart monitor that changed the game.

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