verily

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San Bruno, CA

Data Scientist, Signal Processing and Machine Learning

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Who We Are

Verily is a subsidiary of Alphabet that is using a data-driven approach to change the way people manage their health and the way healthcare is delivered. Launched from Google X in 2015, our purpose is to bring the promise of precision health to everyone, every day. We are focused on generating and activating data from a variety of sources, including clinical, social, behavioral and the real world, to arrive at the best solutions for a person based on a comprehensive view of the evidence. Our unique expertise and capabilities in technology, data science and healthcare enable the entire healthcare ecosystem to drive better health outcomes.

Description

As a Data Scientist at Verily, you will work cross-functionally to develop novel digital measures derived from physiological signals collected using wearable or mobile devices. You will apply your skills in signal processing, machine learning and generative artificial intelligence (AI) to design novel algorithms. You will work closely with cross-functional teams (hardware, software, clinical science, quality and regulatory) to plan and execute clinical studies for analytical and clinical validation of digital measures. You will utilize big data technologies to analyze large, complex real-world datasets combining data from multiple sources (such as wearables, clinical and behavior data) and generate insights into disease progression and deliver the promise of precision health in clinical research and care delivery.

Responsibilities

- Develop signal processing and machine learning-based digital measures from physiological signals collected by wearable sensors (such as accelerometer).
- Utilize and contribute to Verily's big data infrastructure for deploying algorithms in production use.
- Work cross-functionally to plan and execute clinical studies for analytical and clinical validation of digital measures.
- Analyze large, complex real-world datasets involving physiological sensors, clinical and behavior data to generate scientific evidence and motivate product direction.
- Communicate highly technical results and methods clearly to cross-functional teams, both internally and externally.

Qualifications

Minimum Qualifications

- Experience developing signal processing and machine learning algorithms.
- Experience with Python and SQL.
- Experience with statistical data analysis and data visualization.

Preferred Qualifications

- Experience analyzing and developing algorithms using physiological signals (such as photoplethysmography and accelerometer).
- Familiarity with software engineering principles and experience deploying algorithms in production environments.
- Experience developing deep learning and generative AI based algorithms using TensorFlow or PyTorch, and knowledge of latest architectures.
- PhD degree in a quantitative discipline (e.g., statistics, computer science, biomedical engineering, or similar).

The US base salary range for this full-time position is $119,000- $169,000 + bonus + equity + benefits. Our salary ranges are determined by role, level, and location. The range displayed on each job posting reflects the minimum and maximum target for new hire salaries for the position across all US locations. Within the range, individual pay is determined by work location and additional factors, including job-related skills, experience, and relevant education or training. Your recruiter can share more about the specific salary range for your preferred location during the hiring process.

Please note that the compensation details listed in US role postings reflect the base salary only, and do not include bonus, equity, or benefits.

Why Join Us

Build What's Vital.

intersection of health and technology—united by a shared spirit of curiosity, resilience and determination to make better health possible for all. This builder mindset means your fingerprints will be on the work that shapes the future of health.

Fulfilling our precision health purpose starts with the health of our Veeps, which is why we offer flexibility, resources, and competitive benefits to support you in your whole-person well being.

Our culture reflects the behaviors that stem from living our values every day in how we Innovate Healthcare and Technology, Gain Velocity as One Verily, and Respect Individuals. As One Verily, we uphold our collective accountability to sustain this culture and to create a VIBE (Verily's Culture of Inclusion, Belonging, and Equitability) where all Veeps feel included, a sense of belonging, and have opportunities to grow.

If this sounds exciting to you, we would love to hear from you.

You can find out more about our company culture on our LinkedIn Company Page and Verily Careers page.

Apply now

Fields marked with (*) are required. File uploads must be less than 10MB combined.

First Name*

Required field

Last Name*

Required field

Email*

Phone*

Required field

Resume/CV* (.pdf, .doc, or .docx)

Upload File →

Cover Letter (.pdf, .doc, or .docx)

Upload File →

LinkedIn Profile

Website

How did you hear about this job?

Do you currently or have you previously worked for an Alphabet company as an employee, temp, vendor, contractor, or intern?*

- ○ Yes
- ○ No

Do you have an internal reference at Alphabet?*

- ○ Yes

If yes, please provide their first and last name.

Additional Questions (Optional)

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