



# CORAL

Machine Learning Engineer - Full time  
San Francisco, CA, USA

## Our DNA

Coral was founded upon the principle that the shared evolutionary history that has shaped our biology is a resource which can transform patient care. Coral develops new clinical tests to help providers streamline prior authorization and select the most effective medication for a particular patient focusing on autoimmune conditions such as Inflammatory Bowel Disease and Rheumatoid Arthritis. It has also identified a unique population of non-responder patients and is working with drug developers to address this unmet medical need. We have a CLIA certified laboratory to develop our technology into a clinically available test.

Coral was founded by MIT/Broad Institute PhDs. It has stable funding for >2 years with backing from NIH grants and top venture firms including Y Combinator and 8VC.

We are looking for someone who wants to be a big part of this effort. This person is someone who is self-motivated, a self-starter, who is ready to make an impact. You will be joining a tight-knit team working closely with our Scientists and Clinical Specialists.

## Responsibilities

- Manage preprocessing and ETL pipelines in cloud computing environment (GCP)
- Develop new machine learning approaches to integrate diverse molecular and clinical data towards predicting patient response to different therapies

## About You (blue = preferred)

- Wants to be a big part of a diversity-oriented biotech
- PhD in statistics, machine learning, computational biology or 3+ years of relevant experience - Experience working in and leading cross-disciplinary research projects
- Publication record demonstrating clarity, creativity, scientific rigor
- Experience with bash scripting, Python, Pytorch or Tensorflow, GCP or AWS
- Experience applying ML algorithms to dataset sizes 50 GB or larger
- Experience in genomics analysis: alignment, variant calling, RNA-seq, multi-omics including frameworks for large scale GWAS in Hail
- practical experience with life science experimentation

## Benefits

- Excellent medical, dental, and vision coverage
- High growth opportunities, including industry leading equity packages
- 401k matching
- Paid parental leave