Posting Date: 3/9/2020                  Status: Immediate Openings
Role: Data scientist, entry level                Position: Part-time/Contractor
General Responsibility: Predictive modeling, data analysis, communication skills
Level: Entry Level for master's level, advanced for undergraduate level
Compensation: Flexible, based on skill set/experience

Phenomics Health Inc. is a start-up company located at the technology incubator of the University of Michigan. We are developing a commercial bioinformatics platform that combines genomic, metabolomic, and patient data using our proprietary machine/deep learning processes for predictive diagnostics and pharmaceutical development. Led by an expert team of proven innovators, working with Phenomics Health Inc. will provide you frontline exposure to cutting-edge advances in the field of data science and machine learning.

The successful candidate will be responsible for the collection, analysis, and curation of bioinformatic data sets under the guidance of senior scientists, as well as supporting the development of our deep learning algorithms. In addition, the successful candidate will contribute to the development of computer-based, cellular-level physiological models, their refinement through additional/new data, and validation through comparison to real-world outcomes and experimental results.

Responsibilities may include:
• Scientific literature analysis and report generation
• Data curation, including genomic database annotation and classification
• Predictive modeling
• Quantitative analysis of diverse data sets

Requirements:
• B.A./B.S. in computer science, bioinformatics, mathematics, molecular biology, genetics, information science(s), statistics and/or equivalent
• Concurrent enrollment in a master’s program in one or more above areas
• Familiarity with UNIX command line programming, especially Python, PERL and/or R
• Experience manipulating CSV files
• Experience and/or willingness to learn manipulation of genomic formats, including VCF, BCL, BED, SAM, FASTA, FASTQ, WIG, GFF/GTF
• Prior exposure to quantitative data analysis and predictive modeling, academic or work setting
• Basic understanding of cellular physiology or neuroscience
• Interest in machine learning and life-science diagnostic/pharmaceutical development;
• You must have a fully functioning personal computer;
• United States citizenship or permanent resident status;

Qualified candidates should submit their current C.V. and cover letter outlining their availability and compensation requirements to info@phenomicshealth.com.