Intern Job Description

Ready Signal, in partnership with the Michigan Institute for Data Science, is seeking a University of Michigan student preferably in their final semester of undergraduate studies to serve as an intern from January to May 2021. Ready Signal is an early-stage Ann Arbor, MI based company serving data scientists and analysts interested in using external data as a part of predictive models. For more detailed description of the Company, please read below or visit us at https://www.readysignal.com.

Detailed Description of Roles and Responsibilities
The primary goal of this position is help build a robust library of data to be ingested into the Ready Signal platform. Currently, Ready Signal imports approximately 200 data sets on a daily basis including economic, demographic, weather and COVID-10 data. For a list of all existing data sets, please visit https://www.readysignal.com/data.

In addition, this position will be an integral part of the development team working closely with the Chief Executive Officer and the application development team, which includes data scientists, user experience experts and code developers to continue to enhance the application's usability. Given Ready Signal is an early-stage company, this role will also experience the fundamentals of building a new business.

Suggested Experience Base
From a technical perspective, Ready Signal desires a student with the following experience:

- Required Experience
  - Knowledge and experience working with an object-oriented programming language (Python and/or PHP highly preferred, C/C++, Java, C#, Javascript are acceptable)
  - Basic knowledge and skill at writing SQL queries and exposure to SQL-centric work

- Preferred Experience
  - In pursuit of a bachelor's degree in a technical field (Information Systems, Computer Science, Statistics, or another related field, etc.)
  - Experience working with MySQL
  - AWS Lambda knowledge/experience
  - Experience working with APIs or web scraping

Position Details
- Submit brief cover email describing why you are interested in this position as well as your resume to jobs@readysignal.com by January 8, 2021
- Start date in January 2021
- 15 - 20 hours per week
- $15 per hour
- Work remotely
- Computer and internet connectivity required

Ready Signal Detailed Company Overview
Ready Signal is a Data-as-a-Service (DaaS) company providing curated control data to data-driven decision makers including financial analysts, predictive model creators and data scientists.

Control data allows analysts to take into account external factors impacting the accuracy of their predictive models. These factors can include economic, weather, population, healthcare and demographic time series data. It is known that control data improves the accuracy of predictive analytics; however, it is often underutilized based on the required effort, time, and knowledge to obtain and to properly use these data sets.
Ready Signal makes the use of control data easy, accessible and seamless. Ready Signal’s value proposition to customers is:

- Sourcing the data including economic, weather, demographic, and COVID-19 data sets;
- Continually updating the data sets as new information is released;
- Normalizing the data adjusting for different time and geographic granularities;
- Enhancing the value of the data through the application of a variety of data science such as logarithmic, seasonal adjustment and Yeo-Johnson Power transformations; and
- Simplifying the data ingestion process delivering data in a variety of ways including Excel and CSV downloads and file transfer protocols including API, R, Python and a Domo Data Connector.