Senior Data Scientist
at Premise (View all jobs)
San Francisco, CA

Premise is Growing! We are hiring a Senior Data Scientist in San Francisco, CA to infuse our team with drive, technical and intellectual horsepower, and diverse perspectives. As Senior Data Scientist you will work with novel and diverse data sets to extract interesting, actionable insights and meaning.

Premise is a worldwide network and predictive analytics platform bringing visibility to the world’s hardest-to-see places. We enable global decision-makers to move faster and make smarter decisions by employing local, on-the-ground contributors to observe and collect real-time data. Our current clients include the United States Agency for International Development (USAID) and United States Department of State (DOS). A $66M Series C Venture Capital organization, we are backed by Google Ventures, SocialCapital, and Andreessen Horowitz, among others, and our board and advisors include thought leaders such as Larry Summers and Rajiv Shah. Learn more about us at www.premise.com; or Follow us at @Premise.com.

Our Team:

We are a passionate, tight-knit team that moves fast, appreciates candor, and deeply values the diversity of our backgrounds. Our diversity mirrors the global nature of our work: we’ve lived in 30 countries, speak 14 languages, and believe in the value of life experience that an unconventional background inherently brings. What unites us is our innate curiosity and collective ambition to build technology that ultimately has a measurable human impact.
What you get to do:

• Deliver insights that matter:
  ◦ Disease risk maps and operations optimization for public health projects
  ◦ Identify events and conditions that impact citizens and their quality of life
  ◦ Identify patients at risk of dropping out treatment and poor health outcomes
• Collaborate with a diverse, cross functional team to achieve company goals and meet customer needs
• Own data science problems from ideation, EDA and prototype through supporting models in production
• Continuous learning and iterative improvement: get data, build models, test with real users, analyze results, repeat
• Design and build models and algorithms to improve the targeting, quality and accuracy of data collection, including:
  ◦ Anomaly detection and automated quality checks for text, image and geospatial data
  ◦ Automated fraud detection
  ◦ Recommendation and assignment systems for distributing data collection “tasks” to on-the-ground contributors
  ◦ Unique place identification from crowd-sourced location check-ins and imagery

Your background likely includes:

• MS or PhD in Statistics, Computer Science, Applied Mathematics, Operations Research, Physics or other quantitative fields
• Fluency in R or Python and working knowledge of SQL
• A keen sense of what is important and what isn’t when performing open-ended statistical analysis
• A love of solving problems and seeing your solutions have an impact
• Experience working with real, challenging data including EDA, feature
generation and visualization

• Sustained attention to quality and detail, goal-oriented, strong programming and excellent communication skills

Bonus points:

• Prior startup experience (preferably in an analysis-oriented engineering or data science role)
• Experience with machine learning or statistical models for geospatial or temporal data, as well as optimization techniques
• Experience designing, developing and maintaining your own data flows
• Track record of building and maintaining production data science models, services, pipelines or data stores

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