ENGINEERING TEAM LEAD (Modeling Applied Science)
Location: Washington DC or Broomfield Colorado

JOB DESCRIPTION:

Kimetrica (www.kimetrica.com) is seeking an **Engineering Team Lead** for our Modeling Team. This group of applied Scientists work to understand and create models for a range of problems in the development and humanitarian space. Primarily, the team creates models related to econometrics (prices, demographics, influences on supply and demand, etc.) as well as the physical environment (crops, livestock, access to raw materials, natural disasters, etc.). As such, the team consist of applied Scientists with broad backgrounds mostly around economics and physical sciences.

The Engineering Team Lead will be responsible for directly managing this team, organizing work around customer deliverables, setting priorities, establishing common development practices, and growing Kimetrica’s ability to offer world-class modeling services. This role also includes direct individual contribution for project work and to develop new capabilities.

JOB DUTIES:

- Lead a team of Data Scientists & Researchers and contribute to guidelines on modeling or provide significant technical leadership and guidance in a specific domain
- Coach Junior Data Scientists & Researchers and contribute to guidelines on modeling
- Represent Kimetrica in technical discussions with customers
- Responsible for delivery of customer data science and modeling requirements
- Develop python scripts/methods for a range of subject areas by conducting research on existing Python and R libraries for agent-based, predictive, inferential, and optimization models
- Contribute to model documentation through write up of methods
- Conduct domain research and coordinate with subject matter experts to understand key data sources and model logic/plausibility constraints
- Support visualizations and client reporting through meaningful dashboards, graphics and maps;
- Provide support to the design of survey and other data collection instruments, including power/precision calculation and optimization
- Maintain a well-structured Git repository and manage data resources and code versions
- Liaise with software developers to ensure that models are generalizable, unit/regression tested and meet coding standards

QUALIFICATIONS AND SKILLS:

- Established track record of professional model development experience (6 years with MS, 4 years with PhD)
- Demonstration of leadership and management readiness and/or experience
- Postgraduate qualification in a quantitative discipline
- Ideally, academic background and/or experience with economic modeling and econometrics
- Sharp analytical skills and problem-solving abilities
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- Flexibility and curiosity to work on models across multiple subject domains
- Strong background in statistical analysis, machine learning and Bayesian modeling background
- Self-starter with proven ability to manage multiple projects to strict deadlines
- Excellent communication skills and ability to interact with colleagues with diverse technical expertise
- A desire to make a positive impact on the world through analysis
- Ability to travel 25% of the time

SALARY RANGE: $113,000.00-$130,000.00 Yearly

JOB CATEGORY: Full Time / Permanent Employee

LOCATION: Washington DC, 20006 or Broomfield, CO 80020

ORGANIZATION DESCRIPTION:

Formed by a group of former humanitarian and development workers in 2006, Kimetrica is a social enterprise focused on providing policy makers and project managers with the tools and skills they need to do their jobs well. Our work centers on providing knowledge management solutions for governments, bilateral, and multilateral donors, and not-for-profit organizations in the areas of performance management and disaster risk reduction. With offices in the United States and East Africa, Kimetrica employs 80 full-time professional staff and an extensive network of sector specialists with expertise ranging from early warning and contingency planning to social protection and research and data analysis.

EQUAL EMPLOYMENT OPPORTUNITY:

We’re proud to be an equal opportunity employer and celebrate our employees’ differences, including race, color, religion, sex, sexual orientation, gender identity, and national origin.