Systems Modeler

Public Health Informatics Computational and Operations Research (PHICOR)
Center for Advanced Technology and Communications in Health (CATCH)
CUNY Graduate School of Public Health and Health Policy (CUNY SPH)

Our PHICOR (Public Health Informatics, Computational, and Operations Research) team is based at the City University of New York Graduate School of Public Health & Health Policy (CUNY SPH). For over two decades, PHICOR has been developing systems, artificial intelligence (AI), and other computational approaches, methods, models, and tools to help decision makers better understand and address complex systems in health. PHICOR is the engine behind the Center for Advanced Technology and Communications in Health (CATCH), based at CUNY, which advances new technology and communication approaches to help decision-making at all levels in health and public health. Bruce Y. Lee, MD, MBA, Professor of Health Policy Management at CUNY SPH, is the Executive Director of PHICOR/CATCH.

PHICOR/CATCH is recruiting a Systems Modeler to join the team to:

1. Perform literature searches; gather data from various sources.
2. Help design, develop and run computational systems models.
3. Analyze, interpret, and present results/outputs from computational systems models.
4. Help develop models in existing software packages such as TreeAge and Microsoft Excel
5. Work with and guide programmers to develop models.
6. Communicate with external collaborators.
7. Conduct meetings with research team, including external collaborators to develop research question, and design the model structure, experiments, and analysis plan.
8. Prepare reports and manuscripts for publication.

Requirements:

- A bachelor's degree is required, a master's degree in relevant field preferred.
- Candidates should have a basic knowledge of public health practices and principles.
- Critical thinking skills and comfortable with computers and various types of software. Must have proficiency in MS Office programs**.**
- Experience with any modeling software (e.g., TreeAge, Microsoft Excel, Crystal Ball) not required but helpful. Previous programming experience not necessary but can be helpful.
- **Ability to learn new software applications is required.**
- Demonstrated ability to communicate and interact effectively in a team environment.
- Enthusiasm and interest in learning about systems approaches, operations research, and public health.
- Additional education may substitute for required experience and additional related experience may substitute for required education.

Please send CV and Cover Letter to phicorteam@gmail.com.