Modeling Analyst Job description

The Chicago Center for HIV Elimination has developed a large-scale agent-based network model (ABNM) that simulates a range of individual and network behaviors that impact HIV transmission. Several grants within the group rely on expanding this core model to specific settings in HIV prevention, substance use, barriers to clinical care, and partner service interventions. The models are run on the Midway 2 high-performance computing cluster, maintained by UChicago's Research Computing Center. We are looking for a part-time analyst to help us run the models and analyze and present the data generated from these simulations.

Ideal candidates should:
- Be comfortable with coding in a Unix environment
- Have the ability to analyze large datasets in R (or be experienced in a comparable scripting language like Python)
- Be able to write clean, modular code
- Be proficient in using version control tools (e.g., Git)
- Be able to work well within a team
- Be able to clearly communicate results of complex simulation models to a variety of audiences, including those without computational expertise
- Familiarity with research methods in epidemiology or a related field is a plus
- The ability to devote 10 - 20 hours/week to the projects

There may be possibilities for future positions to extend this work with the group. While the search is open, candidates interested in computational public health research are preferred.

Mentoring and supervision will be provided by senior members of the joint Chicago Center for HIV Elimination - Argonne National Laboratory modeling team.

Please send your resume to Jessi Dehlin, Associate Director of Administration, at jdehlin@medicine.bsd.uchicago.edu
Chicago Center for HIV Elimination website: https://hivelimination.uchicago.edu/