Research Software Engineer Intern (Remote)

FAS Research Computing, 38 Oxford St, Cambridge, MA 02138

The FAS Research Computing (FASRC) department within the Faculty of Arts and Sciences at Harvard University is hiring a Research Software Engineer (RSE) intern to help in developing R and Python packages. This position works on projects in the NSAPH research group (PI: Prof. Francesca Dominici) within Harvard T. H. CHAN School of Public Health. The research group is pioneering the development of Causal Inference models with applications in Public Health. The scientific software package is highly parallelized and written in R and Python. The RSE intern works closely with the Research Software Engineering team and researchers to add new features, testing the current implementation, code profiling, conducting sensitivity analyses, documentation, and preparing technical reports. A successful candidate will have a strong computing background, Python and R programming experience. Good communication and teamwork skills are also required. The interns at FASRC perform their daily duties, attend meetings every week, and assist on projects as assigned.

We Need Your Help in,
- Writing Python and R codes to contribute to the current packages
- Testing the current implementation on HPC systems
- Conducting sensitivity analyses
- Documentations and preparing technical reports

You Will Learn About,
- Harvard's largest supercomputing cluster (CANNON)
- Programming languages and tools (e.g., Python, R, Bash, Linux)
- Scientific programming

Basic Qualifications
High School diploma, in pursuit of a college degree and interested in technology

Additional Qualifications
● 1+ years of experience in programming (Python, R, and Bash preferred)
● Version control (e.g., Git)
● Workflow management tools

Duration
3-Month temporary position (up to 14 hours/week).

Compensation
$20-$25/hour depending on candidate credentials/qualifications.

How to Apply?
Contact Dr. Mahmood M. Shad (mohammadi_shad@harvard.edu) if you are interested.

EEO Statement
We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions, or any other characteristic protected by law.