



The  
ROCKEFELLER  
FOUNDATION



THE  
WORLD  
BANK



Stellenbosch  
UNIVERSITY

## Postdoctoral Research Software Engineers (RSEs)

*“We invite applications from three postdoctoral researchers with an interest in developing into professional Research Software Engineers (RSEs)”*

“Research Software Engineer (RSE) is an exciting new role for researchers with an interest and aptitude for the computational aspects of research and is of growing importance internationally. This position presents an opportunity to develop as an RSE: successful applicants will have membership fees generously waived by the Society of Research Software Engineering (<https://society-rse.org/>), which provides opportunities for mentorship from experienced members of the UK’s RSE community, e.g. from the RSE teams at UCL (University College London), and the EPCC (the supercomputing centre at the University of Edinburgh). Fellows are expected to work closely with each other and with members of the CERI team and will be a good fit if they are excited about the challenges of working in a dynamic research environment, and passionate about establishing and teaching good practices around research code and data. Projects are open-ended, with scope for collaboration and solution-design. Projects may include (depending on individual Fellows’ areas of expertise):

- (1) Standardising good practices for code version control and publication across CERI, and establishing a system (e.g. relational or graph database backend with a web frontend) to allow code to be flexibly searched for reuse / repurposing;
- (2) Developing additional web apps / dashboards to capitalise on an existing platform (based on PHP and JavaScript), and optionally exploring alternative platforms for ease of deployment and maintenance;
- (3) Improving genomics sequencing pipeline(s) to increase automation and/or robustness”.

Interested candidates holding a PhD, and with clear evidence of internationally competitive research are invited to send their CV's and discuss their interest (which is not restricted to the abovementioned fellowship topic) informally with Prof. Tulio de Oliveira and Dr Kim Martin in the first instance, prior to formal application. Candidates without PhD and strong programming background will also be considered for fellowship. Please email Dr. Cheryl Baxter (CERI’s head of scientific support) at email: [baxterc@sun.ac.za](mailto:baxterc@sun.ac.za) for further information/

In total, we are advertising multiple Post-Doctoral Fellowships. Potential areas of study include population, biological and ecological aspects of pathogens in the context of the South African, African and Global epidemics. Start date is open to suit candidate needs, deadline for applications: 31 January 2023.