



SAN FRANCISCO  
STATE UNIVERSITY

### **Temporary programmer job to re-implement scientific software**

The programmer will study, understand, and re-implement the [Expression Variance and Evolution \(EVE\) model](#) which can be used to test hypotheses of expression level adaptation. The software has already been implemented in c, but is slow and cumbersome. The re-implementation will involve working with trees, dynamic programming, nested maximum likelihood routines, and statistics. Ideally, the software will be re-implemented as an R package. The programmer will have support through meetings with Rori Rohlf.

The ideal candidate will have demonstrated experience with

- scientific software development
- R package development
- efficient maximum likelihood routines
- tree data structures
- statistical analysis

Outstanding programmers may continue work in the lab if desired.

Applicants can email a cover letter and CV or resume to Rori Rohlf (rrohlfs@sfsu.edu) by 26 November. Please don't hesitate to contact Rori with any questions or interest.