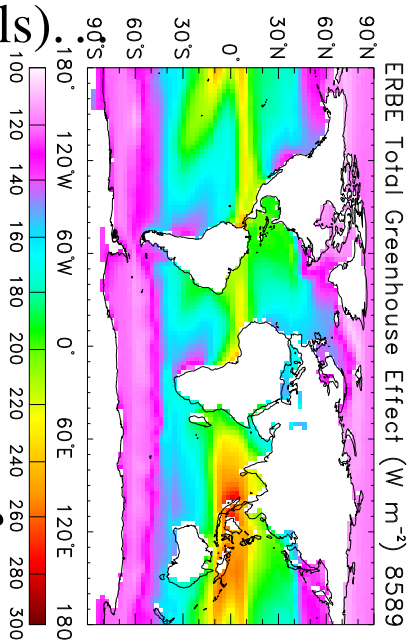
Divine Earth's future (and pay your bills)...

Scientific Computing Programmer



Improve Scientific Data Analysis for Earth's Climate

The Climate and Scientific Computing group in the Department of Earth System Science at UC Irvine (www.ess.uci.edu/~zender) seeks to fill a position in the Specialist series for a full-time programmer with enthusiasm for applying advanced computing techniques to global environmental problems. We develop software to analyze climate model and satellite data in order to improve understanding of Earth's climate. The candidate will: Improve robustness, optimize, document, and extend features of the netCDF Operators (NCO, nco.sf.net), a scientific data analysis toolkit written in C/C++ and ANTLR. Incorporate geospatial features and parallelism into NCO. Help graduate students, post-docs, and other scientists use NCO. Track project progress towards milestones and deliverables. Update and maintain project web site. Evaluate, purchase, install and configure hardware and peripheral devices.

Required: BS degree, or equivalent experience, in computer science, atmospheric science, engineering, physics, mathematics, or a related discipline. Strong skills in free-software C/C++ development (Autoconf, GCC) in UNIX/Linux environments. Skill at written and verbal communication. Desired: MS degree. Knowledge of atmospheric science, chemistry, oceanography or engineering. Knowledge of data storage standards (netCDF, HDF), geospatial tools (WKT, GEOS, PostGIS), and parallel programming and message passing (OpenMP, MPI). Consideration of applications begins immediately and continues until the position is filled. Rank and salary are based on qualifications and available funding. Benefits package included. Send PDF-format statement of career objectives, CV, and contact information for three references to: Professor Charlie Zender (zender@uci.edu), Departments of Earth System Science and of Computer Science.