

# NOTICE of FILING of PERMANENT EMPLOYMENT CERTIFICATION

Instructions for federally-mandated internal posting:

Post this notice in a conspicuous location at the job site for 10 business days.

RA III – Software Programmer, Department of Soil and Crop Sciences, Colorado State University, Fort Collins, CO

**Description of Work Unit:** The Department of Soil and Crop Sciences is focused on education, research, and outreach to solve the world's most pressing food production issues and crucial matters about Earth, its ecosystems, and their services. Our faculty and staff apply research-based solutions to benefit Colorado and the world. We offer academic programs to prepare students to address national and global crop production, sustainability, and environmental quality challenges such as waste management, water quality, and reclamation of drastically disturbed lands. There are numerous opportunities for students to be involved in cutting edge research related to global food production and ecosystem function and protection.

**Position Summary:** The incumbent will work alongside other researchers and software engineers as part of Dr. Keith Paustian's research team as a software programmer. The software programmer should modify existing applications to correct errors, allow applications to adapt to new hardware, or to improve its performance. The programmer will write new code to implement solutions developed by the scientific staff. Ensure code is properly commented and follows project coding standards. Provide guidance and direction to less experienced staff, including writing and reviewing programming specifications. Actively participate in product design and code review meetings. Be able to manage multiple concurrent tasks.

**Required Qualifications:** B.S. in computer science or related fields plus five (5) years of professional experience or Master's degree in computer science or related fields and two (2) years of professional experience. Experience in software development methods, White-box and Black-box testing, and/or Web-application software programming. Knowledge of the software development life cycle, Object-oriented design, ASP.NET MVC and/or other design patterns. Knowledge of JavaScript, HTML, CSS and Postgres SQL. Understanding of performance profiling of Web applications. Excellent communication, problem-solving and analytical skills. Previous experience in developing computer-driven decision support systems for agricultural applications dealing with environmental metrics. Experience in working with the Daycent service and Daycent Fortran executable.

**Job duties:** Take directions from Technical lead. Make judgement decisions, grasp new ideas, and communicate with the team members. Communicates issues before those issues impact project plans. Maintain/enhance existing software code set. Participate in detailed development reviews and demos. Performs production deployment support. Share knowledge through collaboration, training, peer review and articles. Help assign tasks for hourlies to help with web application development work.

Salary: Minimum \$78,686 per year

Colorado State University is committed to providing an environment that is free from discrimination and harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.

The Title IX Coordinator is the Executive Director of the Office of Support and Safety Assessment, 123 Student Services Building, Fort Collins, CO 80523-2026, (970) 491-7407.

The Section 504 and ADA Coordinator is the Executive Director of Human Resources and Equal Opportunity, Office of Equal Opportunity, 101 Student Services Building, Fort Collins, CO 80523-0160, (970) 491-5836.

Colorado State University (CSU) strives to provide a safe study, work, and living environment for its faculty, staff, volunteers and students. To support this environment and comply with applicable laws and regulations, CSU conducts background checks. The type of background check conducted varies by position and can include, but is not limited to, criminal (felony and misdemeanor) history, sex offender registry, motor vehicle history, financial history, and/or education verification. Background checks will be conducted when required by law or contract and when, in the discretion of the university, it is reasonable and prudent to do so.

**This notice is being posted as a result of the filing of an application for permanent alien labor certification for the job description above.**

Any person may provide documentary evidence bearing on this application to the Certifying Officer, U.S. Department of Labor, Employment and Training Administration, Atlanta National Processing Center, Harris Tower, 233 Peachtree Street, Suite 410, Atlanta, Georgia 30303 Telephone: (404) 893-0101 FAX: (404) 893-4642