CALS- Research Support Specialist IV- Lead Computational Scientist- Animal Science (Remote)

HEJ higheredjobs.com/search/details.cfm

Type: Full-Time
Salary: $99,648 - $120,446 per year
Posted: 21 days ago
Category: Laboratory and Research

Cornell University

Research Support Specialist IV- Lead Computational Scientist

The Opportunity

As a university founded to be a place where "...any person can find instruction in any study," inclusion and belonging are at the core of our values and mission. We strive to be a welcoming, caring, healthy, and equitable community where students, faculty, and staff with different backgrounds, perspectives, abilities, and experiences can learn, innovate, and work in an environment of respect, and feel empowered to engage in any community conversation. As a member of the Cornell University community, it is important to recognize our shared responsibility to each other to cultivate a culture of inclusion for all. Cornell Core values

As an individual contributor you will model and support a culture of inclusion, belonging, and wellbeing and continually seek to understand how your role, behaviors, and actions impact the success of this culture.

While position responsibilities vary greatly, the Skills for Success and Leadership Skills for Success are foundational to what is expected of every employee and leader working at Cornell. These skills are essential for individual and organizational success. Staff Skills for Success; Leadership Skills for Success

About the College

The College of Agriculture and Life Sciences (CALS) is a pioneer of purpose-driven science and Cornell University's second largest college. We work across disciplines to tackle the challenges of our time through world-renowned research, education, and outreach. The questions we probe and the answers we seek focus on three overlapping concerns: We believe that achieving next-generation scientific breakthroughs requires an understanding of the world's complex, interlocking

systems. We believe that access to nutritious food and a healthy environment is a fundamental human right. We believe that ensuring a prosperous global future depends on the ability to support local people and communities everywhere. By working in and across multiple scientific areas, CALS can address challenges and opportunities of the greatest relevance, here in New York, across the nation, and around the world.

The Department of Animal Science offers undergraduate and graduate programs on the biology and management of food, laboratory and companion animal species. Our research programs advance our understanding of animal biology and address local and global issues facing animal industries today. Our goals are to discover and develop new techniques and information to benefit animals, agriculture and human health. Our internationally recognized faculty have diverse interests in animal management, breeding, genetics, physiology, nutrition, growth biology and microbiology.

What We Need

This position is part of a research program focused on sustainability assessment of food and agricultural systems. The role requires an experienced scientist and/or programmer to lead the development and maintenance of the codebase for the City Food Policy Project food commodity model (www.cityfoodpolicy.com). This role will also develop software integrations for integrated assessment models used to evaluate the environmental, social, and economic sustainability of New York State, national, and international livestock production systems. Responsibilities include research software design, coding, testing, debugging, documentation, and ensuring code compatibility across platforms; database design and utilization; user needs analysis and technical support; conducting code reviews; and training staff and students on modern coding standards. The specialist will contribute to scholarly publications, grant proposals, and research reports.

This is a full-time position at 100% FTE. This is a one-year term appointment that is contingent upon available work, funding, and performance.

There is the opportunity to work remotely within the United States 5 days a week.

Relocation assistance will not be provided for this position.

While position responsibilities vary, every member of our community is expected to foster a culture of belonging and a healthy work environment by communicating across differences; being cooperative, collaborative, open, and welcoming; showing respect, compassion, and empathy; engaging and supporting others regardless of background or perspective; speaking up when others are being excluded or treated inappropriately; and supporting work/life integration of oneself and others.

- Master's degree and 5-7 years of relevant experience or equivalent combination.
- Demonstrated proficiency in programming languages such as Python and R

- Experience building and applying research models with teams.
- Experience working with database systems.
- Experience with continuous integration and deployment pipelines, DevOps practices, and agile development methodologies.
- Experience collaborating within team-based development environments using platforms such as GitHub, Slack, and other code sharing and project management tools.
- Strong analytical, critical thinking, and problem-solving skills.
- Ability to manage multiple concurrent projects and communicate effectively with technical and non-technical stakeholders.
- Experience working directly with people from various socioeconomic backgrounds.
- Experience incorporating the perspectives of multiple communities.
- Experience working with inclusion, belonging, and wellbeing programs
- Ability to cultivate and develop inclusive working relationships with students, faculty, staff, and community members.

If you have all those things, great! We have a few more things that we would prefer you to have, but it's ok if you don't.

- PhD in Computer Science, Animal Science, Agricultural Economics, or a related field; with 5-7 years of relevant experience; or an equivalent combination of education and experience.
- Demonstrated record of scholarly publications and experience supporting research projects, including data analysis and grant development.
- Experience with computational and analytical modeling approaches, such as agent-based modeling, statistical analysis, artificial intelligence, process and biophysical modeling, econometric methods, and data visualization.
- Familiarity with systems thinking and system dynamics modeling frameworks.
- Experience working with cloud-based computing platforms.
- Proficiency or working familiarity with programming languages and technologies such as JavaScript, ASP/.NET, PHP, SQL, and Java.
- Experience supporting or working with food system models.

Rewards and Benefits

This position is based in Ithaca, New York, however, the successful applicant may perform this role remotely anywhere within the United States. Employees who work remotely may receive multiple W-2 Forms depending on their work location.

The New York Convenience of employer guidelines require New York State individual tax reporting and withholding for this position. Additional individual state income tax filings may also be required if working temporarily outside of New York State.

Cornell receives national recognition as an award-winning workplace for our health, wellbeing, and sustainability.

Our benefits programs include comprehensive health care options, generous retirement contributions, access to wellness programs, and employee discounts with local and national retail brands. We invite you to follow this link to get more information about our benefits: Understand Your Benefits | Working at Cornell.

Our leave provisions include health and personal leave, three weeks of vacation and 13 holidays: Martin Luther King, Jr. Day, Memorial Day, Juneteenth, Independence Day, Labor Day, Thanksgiving and the day after, and an end of the year winter break from December 25-January 1. To offer greater flexibility for observing faiths and traditions we also offer two additional floating holidays. Learn more about our generous leave provisions: Holiday and Accrued Time Off | Working at Cornell

Cornell's impressive educational benefits include tuition-free Extramural Study and Employee Degree Program, tuition aid for external education, and Cornell Children's Tuition Assistance Program. Learn more about our extensive educational benefits: Education Benefits | Working at Cornell

Follow this link to learn more about the Total Rewards of Working at Cornell:

Total Rewards | Working at Cornell.

Visa sponsorship is not available for this position.

Cornell is an equal opportunity employer. For more information, visit hr.cornell.edu/eeo.

University Job Title:

Research Support Spec IV
Job Family:

Academic Support
Level:

H

Pay Rate Type:

Salary
Pay Range:

$99,648.00 - $120,446.00
Remote Option Availability:

Remote
Company:

Endowed
Contact Name:

J'Frances White
Contact Email:

jmw572@cornell.edu
Job Titles and Pay Ranges:

Non-Union Positions

Noted pay ranges reflect the potential pay opportunity for each job profile. The hiring rate of pay for the successful candidate will be determined considering the following criteria:

- Prior relevant work or industry experience
- Education level to the extent education is relevant to the position
- Unique applicable skills
- Academic Discipline

To learn more about Cornell's non-union staff job titles and pay ranges, see Career Navigator.

Union Positions

The hiring rate of pay for the successful candidate will be determined in accordance with the rates in the respective collective bargaining agreement. To learn more about Cornell's union wages, see Union Pay Rates.

Current Employees:

If you currently work at Cornell University, please exit this website and log in to Workday using your Net ID and password. Select the Career icon on your **Home** dashboard to view jobs at Cornell.

Online Submission Guidelines:

Most positions at Cornell will require you to apply online and submit both a resume/CV and cover letter. You can upload documents either by "dragging and dropping" them into the dropbox or by using the "upload" icon on the application page. For more detailed instructions on how to apply to a job at Cornell, visit How We Hire on the HR website.

Employment Assistance:

For general questions about the position or the application process, please contact the Recruiter listed in the job posting or email mycareer@cornell.edu.

If you require an accommodation for a disability in order to complete an employment application or to participate in the recruiting process, you are encouraged to contact Cornell Office of Civil Rights at voice (607) 255-2242, or email at accommodations@cornell.edu.

Applicants that do not have internet access are encouraged to visit your local library, or local Department of Labor. You may also request an appointment to use a dedicated workstation in the Office of Talent Attraction and Recruitment, at the Ithaca campus, by emailing mycareer@cornell.edu.

Notice to Applicants:

Please read the required Notice to Applicants statement by **clicking here**. This notice contains important information about applying for a position at Cornell as well as some of your rights and responsibilities as an applicant.

EEO Statement:

Cornell welcomes students, faculty, and staff with diverse backgrounds from across the globe to pursue world-class education and career opportunities, to further the founding principle of "... any person ... any study." No person shall be denied employment on the basis of any legally protected status or subjected to prohibited discrimination involving, but not limited to, such factors as race, ethnic or national origin, citizenship and immigration status, color, sex, pregnancy or pregnancy-related conditions, age, creed, religion, actual or perceived disability (including persons associated with such a person), arrest and/or conviction record, military or veteran status, sexual orientation, gender expression and/or identity, an individual's genetic information, domestic violence victim status, familial status, marital status, or any other characteristic protected by applicable federal, state, or local law.

Cornell University embraces diversity in its workforce and seeks job candidates who will contribute to a climate that supports students, faculty, and staff of all identities and backgrounds. We hire based on merit, and encourage people from historically underrepresented and/or marginalized identities to apply. Consistent with federal law, Cornell engages in affirmative action in

employment for qualified protected veterans as defined in the Vietnam Era Veterans' Readjustment Assistance Act (VEVRAA) and qualified individuals with disabilities under Section 503 of the Rehabilitation Act. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations in accordance with applicable law.

2026-02-13
Cornell University is an equal opportunity, affirmative action educator and employer.