RESEARCH SCIENTIST

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<th>Req #:</th>
<th>195774</th>
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<tbody>
<tr>
<td>Department:</td>
<td>INSTITUTE FOR HEALTH METRICS AND EVALUATION</td>
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<tr>
<td>Posting Date:</td>
<td>09/03/2021</td>
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<tr>
<td>Closing Info:</td>
<td>Open Until Filled</td>
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<tr>
<td>Salary:</td>
<td>Salary is commensurate with education and experience</td>
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<tr>
<td>Union Position:</td>
<td>Yes</td>
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<td>Shift:</td>
<td>First Shift</td>
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As a UW employee, you have a unique opportunity to change lives on our campuses, in our state and around the world. UW employees offer their boundless energy, creative problem solving skills and dedication to build stronger minds and a healthier world.

UW faculty and staff also enjoy outstanding benefits, professional growth opportunities and unique resources in an environment noted for diversity, intellectual excitement, artistic pursuits and natural beauty.

The Institute for Health Metrics and Evaluation (IHME) is an independent research center at the University of Washington. Its mission is to deliver to the world timely, relevant, and scientifically valid evidence to improve health policy and practice. IHME carries out its mission through a range of projects within different research areas including the Global Burden of Diseases, Injuries, and Risk Factors; Future Health Scenarios; Cost Effectiveness and Efficiency; Resource Tracking; and Impact Evaluations. Our vision is to provide policymakers, donors, and researchers with the highest-quality quantitative evidence base so all people live long lives in full health.

IHME is committed to providing the evidence base necessary to help solve the world's most important health problems. This requires creativity and innovation, which are cultivated by an inclusive, diverse, and equitable environment that respects and appreciates differences, embraces collaboration, and invites the voices of all IHME team members.

**IHME has an excellent opportunity for a Research Scientist on the Simulation Science team.** The Simulation Science team models the impact and cost-effectiveness of health care interventions for a variety of stakeholders. The scope of our work is wide. We produce models to compare interventions on maternal and child health, to evaluate new drugs for the treatment of non-communicable diseases, and to gauge the impact of public policy interventions on disease dynamics. This modeling work is done using a flexible, open-source simulation framework run on IHME's 20,000-core high-performance computing cluster.
We are looking for someone ready to advance in their career in global health research. As a Research Scientist you will be contributing to research design and training, leading and/or mentoring junior staff. IHME researchers analyze and produce key estimates for their assigned research team and will assess all available relevant quantitative data – including those on causes of death, epidemiology, and a range of determinants such as education and income – from surveys, vital registration, censuses, literature, registries, and administrative records.

You will be integrally involved in producing, critiquing, improving, and disseminating results. You are someone who is capable of keeping your team on track to meet deadlines and research objectives. You already have a publication record, and at IHME, you will build out your portfolio with several peer-reviewed papers. You thrive in a collaborative work environment and are capable of working on multiple projects concurrently while meeting deadlines. You keep current of recent scientific, engineering, and technical advances and are able to translate these into your research.

This position is contingent on project funding availability.

**Responsibilities:**

- Exhibit command of one or more of the research areas at IHME, including the methodology and its components.
- Independently carry out quantitative analyses and participate in reciprocal research projects. Interpret and vet results from junior staff, formulate conclusions, and inform team leaders.
- Develop, quality check, and distribute complex datasets to be used in epidemiological and statistical analyses.
- Develop and implement new computational and statistical methods. Create, test, and use relevant computer code (R, Python, SQL, or equivalent). Maintain, modify, and execute analytic machinery.
- Draft presentations and manuscripts, and contribute to funding proposals. Lead and co-author scientific articles in peer-reviewed journals.
- Maintain scientific awareness and intellectual agility with data, methods, and analytic techniques.
- May lead and/or mentor junior staff.
- Provide ideas and content for the development of internal trainings. Teach established trainings.
- Contribute to research design.
- Other duties as assigned that fall within reasonable scope of research team.

As a UW employee, you will enjoy generous benefits and work/life programs. For a complete description of our benefits for this position, please visit our website, [click here](#).

**REQUIREMENTS**

- Master’s degree in public health, epidemiology, statistics, biostatistics, math, economics, quantitative social sciences, or related discipline plus four years’ related experience, or equivalent combination of education and experience.

**Additional Requirements:**

- Growing peer network where sought out as having solid command with engineering/technical areas, a given disease, risk, key indicator, relevant methodological area, and the related data sources and scientific underpinnings.
- Excellent analytic, critical thinking, and quantitative skills.
- Results- and detail-oriented individual who can initiate and complete tasks under tight deadlines and changing priorities both independently and in a team environment. Flexibility with hours and workload is key.
Experience devising and executing statistical modeling techniques.
Demonstrated ability to quickly recognize problems in results and identify root causes in data, methods, and code.
Ease in designing, executing, and troubleshooting code in Python.
Excellent written and oral communication skills required, including track record of success in co-authorship on multiple scientific papers, presenting results, and representing research at meetings.
Ability to work both independently and in collaboration with a team.
A long-term interest in a research scientist position contributing to the overall mission of our research.

A commitment to working to alongside others at IHME to illuminate the health impacts of systemic racism and to work within IHME to make our organization more diverse and inclusive. See IHME’s DEI statement here: http://www.healthdata.org/get-involved/careers/dei.

Equivalent education/experience will substitute for all minimum qualifications except when there are legal requirements, such as a license/certification/registration.

DESIRED

• MD or PhD in public health, epidemiology, statistics, biostatistics, math, economics, or quantitative social sciences plus two years’ experience preferred.
• Experience with R.
• Experience with machine learning, data mining, Monte Carlo simulations, and analytic techniques.
• Experience mentoring and developing junior employees on soft and technical skills.
• Experience with project management methods.
• Peer-reviewed publication record.

CONDITIONS OF EMPLOYMENT

• Weekend and evening work sometimes required.
• This position is open to anyone authorized to work in the US. The UW is not able to sponsor visas for staff positions.
• Office is located in Seattle, Washington. This position is eligible to work fully remote in the US; work schedule required to include 10 am – 2 pm Pacific Time.
• This position currently has funding until June 2023, with a possibility of being extended.
• The University of Washington requires students and personnel to be vaccinated against COVID-19 as a condition of employment. To learn more about the requirements, please review the following: https://www.ehs.washington.edu/covid-19-prevention-and-response/uw-covid-19-vaccination-policy?_ga=2.31959098.540467107.1629831944-1755727657.1623616042

Application Process:
The application process for UW positions may include completion of a variety of online assessments to obtain additional information that will be used in the evaluation process. These assessments may include Workforce Authorization, Cover Letter and/or others. Any assessments that you need to complete will appear on your screen as soon as you select “Apply to this position”. Once you begin an assessment, it must be completed at that time; if you do not complete the assessment you will be prompted to do so the next time you access your “My Jobs” page. If you select to take it later, it will appear on your “My Jobs” page to take when you are ready. **Please note that your application will not be reviewed, and you will not be considered for this position until all required assessments have been completed.**
Applicants considered for this position will be required to disclose if they are the subject of any substantiated findings or current investigations related to sexual misconduct at their current employment and past employment. Disclosure is required under Washington state law.

Committed to attracting and retaining a diverse staff, the University of Washington will honor your experiences, perspectives and unique identity. Together, our community strives to create and maintain working and learning environments that are inclusive, equitable and welcoming.

The University of Washington is a leader in environmental stewardship & sustainability, and committed to becoming climate neutral.

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

To request disability accommodation in the application process, contact the Disability Services Office at 206-543-6450 or dso@uw.edu.

Per Governor Inslee's Proclamation 21-14.1, employees of higher education and healthcare institutions must be fully vaccinated against COVID-19 no later than October 18, 2021 unless a medical or religious exemption is approved. Being fully vaccinated means that an individual is at least two weeks past their final dose of an authorized COVID-19 vaccine regimen. As a condition of employment, newly hired employees will be required to provide proof of their COVID-19 vaccination. Updated information about how to provide proof of vaccination or request a medical or religious accommodation will be posted as soon as it is known.

Apply for this job