

Opportunity Title: Database Integration Specialist
Opportunity Reference Code: EPA-SSP-0030-2-03-12-20

Organization U.S. Environmental Protection Agency (EPA)

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- *For more information, contact* EPAjobs@orau.org. Do not contact EPA directly.
- Check out our website at: <http://orau.org/epa/>

Description The EPA National Student Services Contract has an immediate opening for a full-time Database Integration Specialist with the Office of Research and Development at the EPA facility in Raleigh, NC.


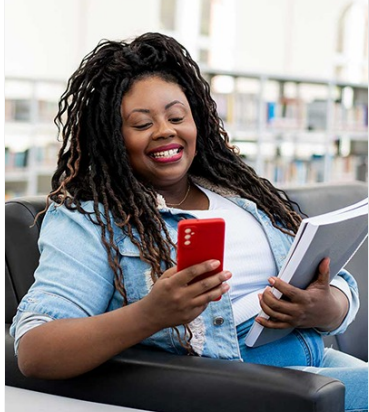
The Office of Research and Development at the EPA supports high-quality research to improve the scientific basis for decisions on national environmental issues and help EPA achieve its environmental goals. Research is conducted in a broad range of environmental areas by scientists in EPA laboratories and at universities across the country.

What the EPA project is about


The National Homeland Security Research Center (NHSRC) is responsible for addressing the research needs associated with EPA fulfilling its Homeland Security related responsibilities. These responsibilities include preparing for and have capabilities to support response to environmental contamination that threatens public health resulting from a disaster. NHSRC staff work closely with their EPA partners and other federal, state, and local stakeholders to understanding response/remediation needs and to develop products to enhance resilience to all hazards resulting from disasters. NHSRC has developed a database-based tool for research planning and implementation. The tool is intended for researchers and program and center leadership and supports developing research plans to meet partner needs.


What experience and skills will you gain?


As a team member, you will provide development support to the continued enhancement and further development of the NHSRC's research planning tool. You will have the opportunity to support the development and expansion of this tool to support the needs of other Labs/Centers and Program within ORD. The current database tool utilizes MS Access as its front-end portal for data access and entry, including functionality programmed in Visual Basic for Applications (VBA), and data stored in SQL server. You will have the opportunity to develop an understanding of research planning, product development, product clearance, data management, and data collection needs to assist in development of this comprehensive tool. You will have the ability to work closely with program and center leadership to understand needs and develop solutions in the tool. You will also have the opportunity to support other database related

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tool development such as a laboratory management system to track environmental samples and tracking quality assurance activities. You will have the ability to support Homeland Security Research Program's (HSRP) quality assurance program, directly assisting the HSRP's Quality Assurance Manager.

Required Knowledge, Skills, Work Experience, and Education

- Experience with design and use of relational databases, including systems security, and principles and practices of database administration(DBA);
- Proven skills in diagnosing and resolving database access and performance issues;
- Advanced skills with Microsoft Office applications including Access, Excel, PowerPoint, Word, & Outlook;
- Experience with Visual Basic for Applications for Access and Excel;
- Experience with programming in Python and SQL server, specifically user interface development and database integration;
- Strong leadership and organizational skills, including demonstrated ability to handle multiple assignments with competing deadlines;
- Strong proof reading and editing skills; and
- Strong written, oral and electronic communication skills.

How you will apply your skills

Program Planning Tool Enhancement and Development responsibilities

- Understanding current processes for research planning and implementation, as well as, data collection needs supporting program assessments and reporting requirements;
- Understanding the current tool as developed with respect to its structure and functionality;
- Identifying and develop enhancements and additional functionality/capabilities to meet planning, implementation and data collection needs; and
- Developing and enhancing tool functionality using existing framework (MS Access, VBA, and SQL server) as well as opportunities to enhance utility through development using other frameworks.

Communications-related responsibilities

- Participating as a member of the research planning tool development team;
- Leading research planning tool development team, including maintaining coordination of enhancement and develop activities;
- Interacting with program leadership and researcher to understand research planning tool needs and interfacing with existing processes and Agency software and requirements;
- Developing research planning tool outputs that transmit requested/required information; and
- Documenting code and database development efforts.

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Location: This job will be located at EPA's facility in Raleigh, NC.

Hours: Full time.

Salary: Hourly wage for hours worked at a rate of \$28.99 per hour.

Employer: Selected applicant will become a temporary employee of ORAU working as a contractor at EPA.

Travel: Occasional overnight travel may be required.

Working Conditions: The selected candidate will be supervised by a mentor who will provide day-to-day direction, as well as coach, advise and counsel the candidate, and review the candidate's work. This position will involve work in an administrative setting and is not expected to involve exposure to hazardous elements.

Expected Start Date: The position is full-time and expected to begin in March 2020. The initial project is through May 14, 2020 with potential optional periods.

For more information, contact EPAjobs@orau.org. Do not contact EPA directly.

- Qualifications**
- Be at least 18 years of age **and**
 - Have earned at least a Master's degree in computer science, data science and information technology, environmental science, environmental policy or other closely related field of study from an accredited university or college within the last 24 months, **and**
 - Be a citizen of the United States of America or a Legal Permanent Resident.

- Eligibility Requirements**
- **Citizenship:** LPR or U.S. Citizen
 - **Degree:** Master's Degree or Doctoral Degree received within the last 24 months or anticipated to be received by 3/31/2020 11:59:00 PM.
 - **Overall GPA:** 2.00
 - **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([16](#))
 - **Earth and Geosciences** ([21](#))
 - **Engineering** ([27](#))
 - **Environmental and Marine Sciences** ([14](#))

Affirmation I certify that I am at least 18 years of age; a recent graduate with at least a Master's degree in computer science, data science and information technology, environmental science, environmental policy or other closely related field from an accredited university or college within the last 24 months; a citizen or a Legal Permanent Resident of the United States of America; and not a current employee of EPA ORD or the spouse or child of an EPA ORD employee.

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