

Opportunity Title: FDA Fellowship for Software Developer

Opportunity Reference Code: FDA-CBER-2024-0031

Organization U.S. Food and Drug Administration (FDA)

Reference Code FDA-CBER-2024-0031

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A complete application consists of:

- An application
- Transcripts – [Click here for detailed information about acceptable transcripts](#)
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- One educational or professional recommendations

All documents must be in English or include an official English translation.

If you have questions, send an email to ORISE.FDA.CBER@oraui.org. Please include the reference code for this opportunity in your email.

Application Deadline 10/31/2024 3:00:00 PM Eastern Time Zone

Description *Applications will be reviewed on a rolling-basis.

A software development opportunity is available with the High-Performance Integrated Virtual Environment (HIVE) Team within the Office of Biostatistics and Pharmacovigilance (OBPV), Center for Biologics Evaluation and Research (CBER), at the Food and Drug Administration (FDA) in Silver Spring, MD.

The HIVE Team is seeking a software developer for fellowship in BS, MS, and/or Ph.D. training programs. The participant will train under a team of multi-disciplinary scientists and perform software development in the rapidly changing environment of scientific tools and algorithms.

Under the guidance of a mentor, research activities will include:

- Finding and fixing problems in existing code.
- Write new code.
- Debug existing or new code.
- Communication with a diverse audience, including senior FDA developers, collaborators, and internal stakeholders.

As a result of this training, the participant will acquire new skills in back-end and front-end software development and communication skills.

Anticipated Appointment Start Date: August 1, 2024; start date is flexible

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and FDA. **The initial appointment is for one year**, but may be renewed upon recommendation of FDA contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at FDA in the Silver Spring, Maryland, area. Participants do not become employees of FDA, DOE or the program



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administrator, and there are no employment-related benefits.

Completion of a successful background investigation by the Office of Personnel Management is required for an applicant to be on-boarded at FDA. OPM can complete a background investigation only for individuals, including non-US Citizens, who have resided in the US for a total of three of the past five years.

FDA Ethics Requirements

If an ORISE Fellow, to include their spouse and minor children, reports what is identified as a Significantly Regulated Organization (SRO) or prohibited investment fund financial interest in any amount, or a relationship with an SRO, except for spousal employment with an SRO, and the individual will not voluntarily divest the financial interest or terminate the relationship, then the individual is not placed at FDA. For additional requirements, see [FDA Ethics for Nonemployee Scientists](#).

FDA requires ORISE participants to read and sign their FDA Education and Training Agreement within 30 days of his/her start date, setting forth the conditions and expectations for his/her educational appointment at the agency. This agreement covers such topics as the following:

- Non-employee nature of the ORISE appointment;
- Prohibition on ORISE Fellows performing inherently governmental functions;
- Obligation of ORISE Fellows to convey all necessary rights to the FDA regarding intellectual property conceived or first reduced to practice during their fellowship;
- The fact that research materials and laboratory notebooks are the property of the FDA;
- ORISE fellow's obligation to protect and not to further disclose or use non-public information.

Qualifications The qualified candidate should have received a bachelor's, master's, or doctoral degree in one of the relevant fields (e.g. Mathematics, Computer Science, Software Engineering, Bioinformatics), or be currently pursuing one of the degrees with completion before the appointment start date. Degree must have been received within the past five years.

PREFERRED SPECIALIZED EXPERIENCE:

- Background in Bioinformatics, Mathematics, Computer Science or equivalent experience
- Experience with Python, C/C++, R, JavaScript, and shell scripting.
- Excellent collaborative, verbal and written communication skills
- Experience in software development in front-end and/or back-end is a plus.
- Knowledge of bioinformatics concepts such as alignments, clustering, etc.

Eligibility Requirements

- **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([17](#))
 - **Engineering** ([27](#))
 - **Life Health and Medical Sciences** ([1](#))
 - **Mathematics and Statistics** ([11](#))

Affirmation I have lived in the United States for at least 36 out of the past 60 months. (36 months do not have to be consecutive.)

I expect to receive my degree prior to the appointment start date.

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and

I have read the FDA Ethics Requirements.