CSforAll Technical Support

Aligning Your Project with the RFP

APRIL 22, 2024







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Resources

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Communication

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GOALS

We are providing technical support for small and medium CSforAll RPP strand proposals.

This webinar provides guidance on aligning your project ideation and development with the RFP.

AGENDA

- 1. Consider Strands and Size Level
- 2. Review Requirements and Guidance
- 3. Introduce the Template
- 4. Q&A

DO YOU HAVE QUESTIONS?

Please post your questions in the

Q&A Box



IMPORTANT DATES

• June 4, 2024

CSforAll Proposals Due by 5PM

Submitters' Local Time

The New Solicitation

An official website of the United States government Here's how you know



Find Funding & Apply ∨

Manage Your Award >

Focus

Home / Funding at NSF / Funding Search / Computer Science for All (CSforAll: Research and RPPs) / Solicitation



Active funding opportunity

This document is the current version.

NSF 24-555: Computer Science for All

Program Solicitation

Document Information

Document History

• Posted: March 5, 2024

• Replaces: NSF 20-539

Download the solicitation (PDF, 0.9mb)

View the program page



National Science Foundation

Directorate for STEM Education

Research on Learning in Formal and Informal Settings
Directorate for Computer and Information Science and Engineering
Division of Computing and Communication Foundations

The DCL

NSF 24-025

Dear Colleague Letter: Advancing education for the future AI workforce (EducateAI)

December 01, 2023

Dear Colleagues:

Artificial Intelligence (AI) is transforming the ways in which citizens navigate their daily lives, researchers make discoveries, educators teach their students, students learn both individually and collaboratively, and manufacturers build products. As new AI-driven discoveries and capabilities emerge, it is critical to promote responsible innovation, competition, and collaboration to unlock the technology's potential to solve some of society's most difficult challenges and maintain U.S. leadership in applying AI to address critical global challenges.

To develop the next generation of talent for a diverse, well-trained AI workforce, the computing community must create new pathways and educational experiences that provide the knowledge, skills, and dispositions necessary for current and future AI careers.

To address this growing need, the Directorates for Computer and Information Science and Engineering (CISE) and STEM Education (EDU) are launching the EducateAl initiative to support educators to make state-of-the-art, inclusive Al educational experiences available nationwide. With this Dear Colleague Letter (DCL), EDU and CISE encourage the submission of novel and high impact proposals that advance inclusive computing education that prepares preK-12 and undergraduate students for the Al workforce.

This EducateAl DCL seeks to support:

- · professional learning opportunities & communities;
- inclusive AI educational resources (curricula, tools, data sources, assessments, etc.); and
- educational infrastructure needed to support AI education across institutions;

and build upon/contribute to

- research on broadening participation to better understand and inform efforts to support students from groups historically underrepresented in computing; and
- research and development needed to make state-of-the-art, inclusive AI education available to all students in preK-12 schools, 2-year colleges, and 4-year colleges and universities.

RESEARCH PROPOSALS

This DCL does not constitute a new competition or a new program. Rather, interested proposers should consult the program pages for Computer Science for All: Research Practice Partnership (CSforAll:RPP) and Improving Undergraduate STEM Education: Computing in Undergraduate Education (IUSE: CUE) as those programs are revised. Proposals submitted to either CSforAll or CUE will need to be responsive to requirements of the corresponding solicitation. Principal investigators (PIs) are encouraged to review the CSforAll and CUE programs that develop educational approaches or pathways to support learners' preparation toward skills relevant for Al careers.

CSforAll RPP Strands

PreK-8

Designing, developing, and piloting instructional materials that integrate CS and/or CT into preK-8 classrooms

High School

Preparing and supporting teachers to teach rigorous CS courses

PreK-12 Pathways

Designing pathways that support school districts in developing policies and supports for incorporating CS and/or CT across all grades and potentially the transition into higher education

CSforAll RPP Proposal Size Class

Small RPP

(\$300,000 for up to 2 years) support initial steps in building toward successfully competing for a Medium or Large proposal.

Medium RPP

(\$1,000,000 for up to 3 years) support promising approaches and feasibility studies

Large RPP

(\$2,000,000 for up to 4 years) support scaling of an evidence-based approach and implementation studies by an established RPP team that has demonstrated sustainability.

NSF Awards

CSforAll Recent Awards bit.ly/3QfxHgZ

NSF Award Database https://www.nsf.gov/award search/advancedSearch.jsp

Intellectual Merit

How does your project advance the field?

CSforAll Merit Review Criteria

Broader Impacts

What potential does your project have to impact society?

CSforAll Merit Review Criteria



Intellectual Merit

How does your project advance the field?

Include the:

- (1) theoretical or theory-building approach;
- (2) research questions or problem statement, and
- (3) methodological approach

Broader Impacts

What potential does your project have to impact society?

- What are the ways it contributes to the NSF goals for improving society?
- Review the NSF Strategic Plan for alignment

CSforAll Merit Review Criteria

Intellectual Merit

Broader Impacts

- Is the plan for carrying out the proposed activities well-reasoned, well-organized, and based on a sound rationale? Does the plan incorporate a mechanism to assess success?
- How well qualified is the individual, team, or organization to conduct the proposed activities?
- Are there adequate resources available to the PI (either at the home organization or through collaborations) to carry out the proposed activities?

Broadening Participation

CSforAll
Solicitation
Specific
Review
Criteria

CSforAll Solicitation Specific Review Criteria

Broadening Participation

1. Does the proposal identify the characteristics and needs of the intended population(s) to be served?

CSforAll Solicitation Specific Review Criteria

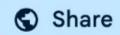
Broadening Participation

- 1. Does the proposal identify the characteristics and needs of the intended population(s) to be served?
- 2. Does the proposal include specific plans or strategies for addressing or accommodating the particular needs of participants of the intended population(s)?











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NARRATIVE

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The Project Description should provide a clear statement of the work to be undertaken and must include the objectives for the period of the proposed work and expected significance; the relationship of this work to the present state of knowledge in the field, as well as to work in progress by the PI under other support. The Project Description should outline the general plan of work, including the broad design of activities to be undertaken, and, where appropriate, provide a clear description of experimental methods and procedures. Proposers should address what they want to do, why they want to do it, how they plan to do it, how they will know if they succeed, and what benefits could accrue if the project is successful. The project activities may be based on previously established and/or innovative methods and approaches, but in either case must be well justified. These issues apply to both the technical aspects of the proposal and the way in which the project may make broader contributions.

Significance

• Solicitation-specific merit review criteria: Does the proposal identify the characteristics and needs of the intended population(s) to be served?

Project Goal

How the development of the collaboration will have the potential to result in a future RPP with education researchers, experts in CS/CT and schools or districts

Work Plan: Objectives

The steps to build effective collaborations for achieving the project goals

Work Plan: The RPP Activities

- Merit review criteria: Is the plan for carrying out the proposed activities well-reasoned, well-organized, and based on a sound rationale?
- The steps and actions to further refine and develop the research question(s) and methods or design and development approaches, leveraging the expertise of the collaborators, specify jointly-developed research



Meighan Maloney 6:45 AM Yesterday

Make a case for the need for the project

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Meighan Maloney 5:10 AM Yesterday

This must be very specific so you can refer to existing research on this population(s) regarding your approach.

From imported document

"Supplemental" Documents

1. Facilities, Equipment and Other Resources (FEOR)

2. Budget Justification

3. Data Management Plan (DMP)

4. Biosketches

Do you have questions?

Please post your questions in the

Q&A Box



NEXT STEPS

Resources

- Last week's Logic Model Webinar recording and slides are available www.triviumconsulting.com/csforall
- CSforAll crosswalks for Small and Medium size RPP Strand proposals will be added to the website in the next day.
- Today's webinar and slides will be added by the end of the week.
- Look for emails this week connecting you to an expert(s) to provide additional one-on-one support.

THANK YOU!

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