Title: Research Fellow

Date: Posted on January 9, 2020

Job Description: The Research Fellow will report to the Director of Research and will be responsible for research and evaluation of National Science Foundation (NSF) funded projects and privately supported programs at CSforALL. The position is a wonderful opportunity for an early career researcher who is either approaching completion of their PhD or has recently defended, and who is excited by the opportunity to execute on research projects, to publish scholarship, and to assemble new NSF grants with an experienced team of colleagues in a learning-centered working environment. This is a full-time, grant-funded six to twelve month position, with a salary commensurate with experience. This position is located in New York, NY.

About CSforALL

CSforALL's mission is to make high-quality computer science an integral part of the educational experience of all K-12 students and teachers and to support student pathways to college and career success.

Responsibilities:

Research Design and Execution: Develop and execute research and evaluation plans for CSforALL activities

- Collaborate on the creation of data collection strategies and instruments to measure project outcomes on target populations

- Connect relevant education research, CS education research, and learning sciences to appropriate project reports, articles, and proposals

- Conduct network analysis of the CSforALL membership as well as the component networks

- Analyze school systems with respect to institutional change

Dissemination Activities: Communicate research findings to a broader audience, especially to practitioner members of the CSforALL Consortium

- Create quarterly medium posts reporting early data and project outcomes

- Draft project outcomes for publication in conferences and journals

- Conduct quantitative analysis and evaluation of internal programs, like the SCRIPT and EcoSystemsforCS

National Science Foundation Documentation and Applications: Assist research teams in the production of NSF documentation and new grant applications for ongoing work

- Support research team in production of annual and final NSF reports

- Consult on and participate in the drafting of any new NSF proposals

- Assist in production of NSF meeting related materials (project descriptions, handouts, abstracts) for CSforALL activities

- Collaboratively develop project-based budgets and monitor spending of project expenditures against forecasts

Minimum qualifications:

- PhD in CS Education, STEM education, or learning sciences; OR equivalent practical experience

- 2+ years of experience in research-related activities including PhD studies

- High level of technical skill, expertise in a range of quantitative methods, and experience with large complex data sets

- Experience in a range of research methods including developing surveys, observation protocols and other data collection instruments

- Desire to learn new methodologies and work collaboratively with a multidisciplinary team

- Experience writing scholarly articles and the ability to gather and synthesize scholarly articles for literature reviews
- Ability to independently draft manuscripts for grant applications and conference proposals

- Ability to be flexible, multi-task, prioritize, and manage activities in a fast-paced work environment

- Ability to work effectively with a diverse array of people and positions, including practitioners, organizational leaders, researchers, funders, and members of marginalized communities

Preferred qualifications:

- Ability to travel and work flexible hours on occasion

- Experience with National Science Foundation report writing

- Experience developing project-based budgets

To Apply: Send the following to info@csforall.org:

- Subject line: CSforALL Research Fellow Application: [YOUR NAME]
- Attachments: cover letter and resume / CV