Job Title	Curriculum Designer
Department	
Institution	Tufts University
	Medford, Massachusetts
Date Posted	Oct. 10, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Educational Services
Job Website	https://jobs.tufts.edu/jobs/21026?lang=en-us&iis=Job+Board&iisn=AcademicKeys
Apply By Email	
Job Description	

Overview

The core purpose of the Center for Engineering Education and Outreach (CEEO) is to improve education through engineering. In doing so, we hope to accomplish four goals: (1) increase students' excitement for learning math and science; (2) give students skills that will make learning more enjoyable in all subjects; (3) increase technical literacy for all; and (4) increase the awareness of the importance of engineering for society. To achieve these goals, we work to: (1) teach science, technology, and mathematics using the engineering process as the learning vehicle; (2) teach the engineering process itself; and (3) teach students how to design solutions by combining individual experiences and math/science knowledge. To learn more about the CEEO, visit http://www.ceeo.tufts.edu.

Curriculum Designer
Tufts University

What You'll Do

Tufts Center for Engineering Education and Outreach (CEEO) is looking to develop new curricular materials (activities, lesson plans, teaching sequences, and teacher-facing supports) around computational thinking and artificial intelligence. To facilitate this creation, Tufts CEEO needs a person to help in the ideation, development, refinement, testing, finalization, and publishing of the materials, in collaboration with other researchers at the CEEO and in coordination with Tufts CEEO's industry collaborators. To facilitate the development, the person will also help create, foster, and build an active teacher community of external teachers who can support the creation and promotion of the curriculum.

Essential Functions:

- Develop CS activities (around computational thinking and artificial intelligence) for pre-college students
- Test activities in hackathons, workshops, and classrooms (coordinating with parents, teachers, and administrators)
- Interface with CEEO's industry collaborators (attend meetings, remotely and in-person)
- Promote creativity and innovation in curriculum design
- Develop look and feel of curricular design (including graphic design)
- Convert the activities into CEEO specified educational formats
- Work internally with faculty, staff, and students to develop activity ideas, flows, and sequences
- Create, foster, and build an online teacher community for testing and promoting the curriculum

What We're Looking For

Basis Requirements:

Knowledge and experience typically acquired by:

- ? Extensive experience in working on k-8 curriculum development
- ? Experience in creating a support community for teachers
- ? Demonstrated expertise in computer science and computer science teaching
- ? Experience working with teachers, administrators, students and classrooms

Preferred Qualifications:

? Minimum undergraduate degree in computer science, engineering, education, visual communication, or related field
? Understanding of CS standards (via CSTA)
? Learning designer experience creating and deploying curriculum and associated professional development
? User experience design, preferable around educational content related to CS, computational thinking, and robotics
? Project management experience on content development from ideation to deployment
? Experience creating and maintaining support communities of educators

This job involves responsibilities that are performed in a hybrid working environment. There will be mandatory in person meeting times but with the option to work from home at some points of the week.

There will be required travel, meetings that are sometimes before 9AM or after 5PM or on weekends with industry partners, and work is expected to be done by provided deadlines sometimes that are unexpected.

Pay Range

Minimum $64,550.00, Midpoint $80,700.00, Maximum $96,850.00

Salary is based on related experience, expertise, and internal equity; generally, new hires can expect pay between the minimum and midpoint of the range.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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