

Code Next

ROLE: Curriculum Developer (temporary, contract)

Time Commitment: 20 hours a week, 6-month contract (to start)

Description:

Code Next is a Google program on a mission to build social capital in Black and Latino neighborhoods by developing culturally engaging and community-centric tech innovation experiences for high schoolers. We are seeking a temporary Curriculum Developer to join our team. Learn more about our program at g.co/codenext. This is a part time contract position suitable to an existing and experienced CS teacher.

In this role, you will join an energetic team devoted to increasing access and exposure to Computer Science to underrepresented communities. Our curriculum consists of learning experiences for students ages 13 -18, designed to increase their interest, confidence and core skills required to pursue a career in Computer Science. This role will be responsible for assisting the development and updating of our Intro to Web, Full Stack Web, and Android courses, and other associated learning experiences.

Minimum Qualifications:

- Bachelor's or Master's degree in Computer Science, related engineering field, or equivalent experience; OR Bachelor's or Master's degree in Education/Instructional Design with a STEM focus
- Experience collaborating on the development of instructional materials for a Computer Science classroom.
- Knowledge of object-oriented programming principles and practical knowledge of designing and developing computer programs.
- Familiarity with web development methodologies and tools.
- Experience with the Google Suite, including Sheets, Docs, Slides and Sites.

Preferred Qualifications:

- Experience with mobile development in Android and Java.
- Experience with teaching (incl. teaching assistant) "Intro to Programming" or developing "Intro to Programming" courses. Experience with high school is also a plus.
- Familiarity with constructivist pedagogy.
- Knowledge of Git and version control.

Responsibilities:

- Assist in the development of instructional materials for Code Next programs, including:
 - Lesson plans
 - Student-facing materials, including Google Sites.
 - Slide decks based on templates and existing products
 - Coding artifacts, such as sample code for student projects, example apps, layouts and websites
- Review and edit existing products, including copyediting and maintenance/updates



Code Next

- Adapting and uploading materials for online learning environments
- Work with Code Next Curriculum Manager and coaches to update instructional materials based on continuous feedback cycles and adherence to the Code Next pedagogical model.
- Meet with coaches and Curriculum Manager as needed to ensure alignment between lesson plan goals and materials.
- Meet deadlines for deliverables and update project trackers to inform upon project completion and progress.

To apply, please email maryjomadda@google.com with the following:

1. Resume

2. Situational Question Answers

- a. What makes an effective lesson plan?
- b. In your opinion, what are best practices for structuring and delivering program model content and curriculum online to instructors, particularly for those that will only be learning about that content online?
- c. What is your experience with high school instruction? If you don't have experience with high school students, what is your interest in working on a high school-level program like Code Next?
- d. How would you introduce object-oriented programming to high schoolers in a way that maximizes engagement and keeps them interested?

3. Examples of Work

- a. Please share either/or:
 - i. Sample computer science lesson you've assembled; or
 - ii. Github page.

