Buzzcoding

Volunteer Coding Instructor - Job Description

We deliver courses all over the UK and we do this with the help of volunteer instructors. Our instructors come from a variety of coding backgrounds and include computer science/technical undergraduates/post-graduates, industry-based professionals with programming experience, freelance developers and university lecturers. Courses are now delivered remotely in a digital classroom. Please note this is an unpaid, volunteer role.
We would like our volunteers to attend our sessions and support learners in breakout rooms. This is great if you have some mornings to spare, and you want to get to support our learners by explaining key concepts

About BuzzCoding

BuzzCoding is a coding academy teaching students skill to access careers in technology through a fun 10-month online programme. We aim to increase aspirations and to encourage girls into STEM careers. Students have little to no knowledge about a career in technology and coding come from a variety of backgrounds. Our first cohort will be with girls aged 11-18 years.

BuzzCoding is seeking part-time Instructors specialized in HTML, CSS, C++ JavaScript, or Python/Django for its after school activities.

Every day bring your passion to help students to aspire to careers in STEM. Our programme is built upon helping communities succeed; your passion to deliver the best coding experience in the classroom is the first prerequisite for teaching with BuzzCoding.

As an Instructor for BuzzCoding, you will look after a classroom of up to 25 students in a blended environment mixing online and in-person monthly workshops (current classes are conducted remotely). This is the perfect position for someone interested in community development through education while supplementing your income. You will be supporting young students of diverse, educational backgrounds, and cultures to learn the awesome world of programming.

We will be looking to you to add to the curriculum, and to be up to date in all (in your area of specialism) languages. And most importantly to bring a sense of fun.

Full Job Description

Our instructors are at the heart of the BuzzCoding. We believe that a great mentor can be the catalyst that sparks transformations in careers and lives. As such, we are looking for accomplished software developers who have a passion for sharing their knowledge and expertise to join our amazing team of instructors.

Teaching technical skills and widening career aspirations is challenging work, but having the opportunity to play an important role in helping young people achieve their goals makes the work both meaningful and personally rewarding. You will have the rare opportunity to make a lasting impact on the lives of your students.

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Requirements

Our instructors must be excellent communicators and dedicated mentors.

The following technical experience is required for an Instructor:

- Experience of developing software systems
- Either attended a coding course or have a computer science background
- Proficient with HTML, CSS, C++ JavaScript JavaScript/React.js or Python/Django
- Have an interest, and ideally some background, in education or teaching
- Experience teaching children/teenagers
- Experience presenting technical talks, workshops, or tutorials at conferences, meetups, or schools
- Tutoring/mentorship experience

- Think flexibly and lead fluid class discussions that may deviate from planned tutorials
- Enhance and illustrate the course material with appropriate analogies and real-world examples
- Prepare students for success by providing coaching in all aspects of their journey towards becoming critical thinkers and problem solvers
- Weekly instruction of students, following a curriculum, supplemented with your own professional experience
- Implement grading measures such as recording student attendance, grading assignments, etc.
- Develop Curriculum and Projects as needed, and consistently refine the curriculum as we continue to grow
- Participate in BuzzCoding activities, including but not limited to: inductions, student events, graduations, and tech talks on topics of your interest
- Participate in professional training, as to stay abreast of industry developments
- Have high empathy, patience, and ability to encourage students who are struggling, provide additional challenges to students who are excelling, and always provide and encourage open and honest communication
- Explain and model the qualities of a professional software developer/Data analyst.

Prior teaching experience is a plus, but not required. Proof of qualifications is mandatory. These are the requirements and skills that we've found to be a good fit for this role. If your background is different, but you think you're the right person for the job, we invite you to apply!

Working Conditions
This position is a part-time, 3-month (26/09/2020 -10/07/2020) position with a potential opportunity to continue for multiple cohorts. Please specify your availability on the application form.

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- ➤ **Teaching time: Tutorials** three out of (four) Saturdays a month 10am -12pm GMT
- ➤ One **monthly workshop** Saturday 10am- 2pm GMT (workshops will commence as soon as possible)
- ➤ **Annual hackathon** Saturday 10am- 6pm GMT
- ➤ **Office time:** -1-1.5 hours responding to student inquiries and providing feedback for assignments and administration

Employment Period and Supervision

The instructor employment period ideally begins 1-2 weeks, before the first day of class, in order to begin induction. Instructors report to BuzzCoding's Executive Director, however, they will also be supported and overseen by other members of BuzzCoding.

Security Clearance

DBS Checks are conducted for personnel before the start of employment, this is standard. If you are based outside of the UK, you are required to produce a state certification from your country of origin from the law enforcement agency.