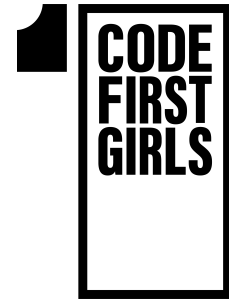


NANODEGREE INSTRUCTOR



Code First Girls has expanded on our current offering by delivering a range of new courses and course content for women who are interested in pursuing a career in tech. Our aim is to double the size of the current community by offering a variety of Mass Open Online Courses, revamped Introduction Classes, and our newly introduced Nanodegree.

CFG is looking for committed and experienced developers to become Lead and Assistant instructors for our 13-week, remotely-accessible, evening Nanodegree programme.

Course outline

The course will run over 13 weeks (including one break) delivering study modules in multiple stages. In the first six weeks, the students will be doing the foundation level taught through a combination of online classes, MOOCs and practical workshops. Upon successful completion of the foundation course, the students will move to their specialisation subject (Software Engineering, Data or Full Stack Development). The course will then be divided into three groups, which would follow three independent syllabi. The course also assumes a number of independent work assignments that will be marked by the tutors and a practical project completed in the last three weeks of the Nanodegree.

What we're offering

The initial engagement will be a freelance contract for the delivery of our 13-week coding Nanodegree. We offer competitive remuneration in line with your developer and instructor skills. You'd be joining the CFG team on a professional freelance basis, helping to shape our Nanodegree programme, focused on delivering a great product that can help our students make the jump into their first tech role.

Please note that all learning materials, code snippets, exercises, learning packs, slide decks and the complete course syllabus will be supplied to the teaching team. Prior to the course, the team of tutors will participate in a few briefing and practice sessions to align on the curriculum. They also have the opportunity to revise the advanced modules to practice.

What we're looking for

We will be recruiting a number of coding instructors and tutors to deliver the course and mentor students. We look for a variety of technical skills in our teaching team, therefore will be open to considering candidates who have all-round tech skills, but also those with strengths in a particular area.

General Requirements

- A UK/IE based developer with 2+ years of experience in a professional setting
- Strong Python skills (experience writing production code, knowledge of APIs)
- Good SQL skills (ability to work with databases and write queries to access data)
- Understanding of a product development lifecycle
- * Advanced Python skills OR Data analytics experience/understanding (Pandas, NumPy, etc. packages) OR Web Development (JavaScript, React, TypeScript)

- Comfortable troubleshooting installation and software issues on both Windows and Mac machines
- Experience deploying the code to production
- Strong presentation skills
- Ability to work with a group and handle unexpected situations
- Passion for teaching and mentoring

'Good to have' requirements

- Understanding of basic statistics techniques
- Understanding of basic programming algorithms
- Understanding of UI/UX Design, and interface planning via wireframing and blueprint design
- Previous teaching experience (e.g. CFG courses)
- Previous mentoring experience
- Previous experience delivering MOOCs or workshops

* Depending on your experiences and skills set you may be asked to deliver either *software engineering* **or** *data analysis* **or** *full stack development* streams during the specialisation studies stage.

Roles and responsibilities

As the instructor, you'll be responsible for ensuring that the students develop the knowledge, practical skills and confidence to take what they have learned into their first professional role in either Software Engineering, Data or Full Stack. To do this, you will need to:

- Prepare for each lesson
- Deliver our structured curriculum through virtual classroom (Zoom)
- Provide feedback to students on the outcomes of tasks and exercises to ensure they're learning from mistakes
- Adapt to the learning styles of students to ensure that no one is left behind
- Support students to build their confidence in their own ability to learn and deliver
- Provide support to students as they create their portfolio pieces that demonstrate their understanding of the knowledge and skills they are learning
- Lead mock interviews with students (Week 13)

All classes will occur Monday-Thursday from 6:30 pm - 8.30 pm. In total, you will work approx 100 hours over the 13 weeks (including core delivery, prep and assessment/hw marking). Our sessions are conducted remotely via Zoom, so you can be based anywhere with good wifi.

Remuneration: £50/hour for Lead, £30/hour for Assistant

Estimate start date: February 2022

If your initial application is successful we will invite you to the second application stage. If successful, we will then invite you to an Interview with the CFG team.

About CFG

Code First Girls are dedicated to transforming tech by providing the skills, space and inspiration for women to become kick-ass developers and future leaders. Our active community of coders, trainers and coaches are one of the largest in the UK, facilitating women to break into and excel within the industry. Code First Girls launched in 2015, with a mission to transform technology through educational opportunity. So far, we have taught in excess of 35k women how to code for free and have connected them with 50+ top employers.