



Civic Digits Job Description: TBDS Creative Workshop Technician

Contract: Freelance, fixed term

Length: 12 weeks (between October 2021 – January 2022)

Fee: £650pw

Purpose: To oversee and track delivery of workshop kits, remotely run tutorials and support teachers to set up workshop kits, and oversee delivery of workshops, troubleshooting any issues.

Who we Are

Civic Digits blends digital technology, gaming and live performance to create innovative and interactive experiences, to question what it means to be a digital citizen in the 21st century.

We aim to be a feminist, anti-racist and intersectional organisation and we want to encourage young girls to explore STEM subjects and careers.

Equality, diversity and inclusion is at the heart of everything Civic Digits aims to do. Our company mission is to create a digital future where we can all flourish. We are passionate that no one gets left behind in the digital world we now live in, either through digital poverty and/or a lack of role models in the professional digital world and digital culture

We exist to challenge the reproduction of white centred patriarchal power through technology, by empowering young people to be confident to play with technology, to make their own technology and use it to express and represent themselves. We will make mistakes and we will be accountable.

The Project

The Big Data Show (TBDS) is Civic Digit's first full production. Aimed at 11–13-year-olds TBDS consists of in-school workshops exploring cyber security and associated data skills, and an interactive online theatrical experience which uses the visceral power of theatre and the excitement of mobile gaming to cement the skills acquired in the workshops, demonstrating through participation how data can be used and abused.

The workshop is designed to allow students to experiment and learn about data. All equipment is supplied to the school by us, along with instructions on setting up equipment and a prerecorded workshop which will be streamed online. We aim to deliver workshops remotely to approx. 2500 students over 11 weeks across 4 key areas in Scotland – Highlands and Island, Dundee and Angus, Scottish Borders, and Dumfries and Galloway.

The 'build your own motorised emoji' workshop uses a ground-breaking data display technology called [VizBlocks](#), which comprises a set of servos and LEDs that can be configured as a face with active features. They are controlled by a set of mobile phones connected via WiFi and a Raspberry Pi that can convert data-driven inputs to actions on the face. Participants use a mix of facial recognition software and data sets (such as the weather or crime statistics) to make the emoji represent happiness or sadness which used to inspire stories about AI consciousness.

Role

We are looking for a Creative Workshop Technician to ensure the smooth delivery of these workshops. You will be expected to:

- Liaise with Teachers regarding timings of workshops and any additional support needs of students
- Oversee and track (potentially troubleshooting) transport and delivery of equipment to schools
- Liaise with teachers and facilitate tutorials for teachers to help them set up the equipment
- Be on hand to troubleshoot any technical issues during workshops
- Manage and communicate our H&S & COVID compliance procedures in regard to equipment

You will be self-motivated, organised and have a passion for exploring the creative potential of data and digital technologies.

Essential skills:

- You will be experienced and excited about working creatively with young people about data and digital technology
- You will have an understanding of good cyber security practice
- An ability to write basic JavaScript code, and to create simple web pages using HTML and CSS.
- Basic experience with the Linux command line
- Basic networking configuration and troubleshooting
- Experience planning and delivering projects

Desirable

- Experience with Arduino, Raspberry Pi, and/or Node Red. We adapted clmtrackr for the emotional recognition software <https://github.com/auduno/clmtrackr>
- Experience of version control using git.
- Disclosure Scotland checked
- Knowledge of The Curriculum for Excellence (CfE)

To apply please send your CV along with a statement of interest (no more than 1 page of A4) to robyn.jancbrown@gmail.com

Application deadline: 17 September 2021

Interviews: w/c 20th September

Start Date: 11 October 2021

For more information, questions or to discuss submitting an application in an alternative format please contact robyn.jancbrown@gmail.com