Data and UI Assistant
Permanent / fixed-term until March 2025 [as preferred]
37.5 Hours (part-time considered)

Cheribim Ltd and the Diocese of Sheffield are proud to partner on a groundbreaking project to develop a novel means of rapidly assessing the thermal performance of historic buildings to inform and assure retrofit.

To deliver the project, Cheribim Ltd are seeking a Data and UI Assistant from August 1 2023. In their role they will work closely with Cheribim's AI and Data Scientist to create a unique dataset reflecting the material, context, and thermal characteristics of 100+ historic church buildings, from which machine learning algorithms will be trained to assess fabric performance.

In order to do this, Cheribim will roll out Internet of Things (IoT) remote environmental monitoring sensors at ~100 historic church buildings, as well as collate information from a range of existing and user-entered data sources detailing buildings' physical attributes - including material, condition and retrofit, as well as their occupancy, use and management from activities undertaken to heating patterns. The role will involve coding, data management and admin skills.

This project is funded by [Innovate UK](#), the UK's innovation agency.

What would you be doing?

In your role as Data and UI Assistant, you'll work closely with the AI and Data Scientist to document, procure and allocate remote environmental monitoring sensors for our partners' historic church buildings. You will undertake data extraction, input and cleaning, and support with the development of the full AI pipeline, developing and applying coding and analysis skills during the project.

The Data and UI Assistant will also contribute to the full IoT pipeline, from specification documentation to data visualisation in Grafana, and development of our web-app in Glide. You will develop a clear understanding of the use case and customer segments, working closely with the rest of the team to support users with their devices and the platform, and contributing to both product development and resources in response FAQs. You will also contribute to evaluation and reporting of the project.

This is a varied, exciting post and opportunity to play a major role in contributing to the development of new tools towards the path to net zero - as well finding sustainable solutions to conservation and adaptation of community heritage.

Training will be provided for all aspects of the role.

Cheribim Ltd (& the Diocese of Sheffield):
Innovate UK / Fabric performance assessment
Data & UI Assistant Issued 18.06.2023 **p.1**

Typical activities may include:
- contributing to, creating and updating documentation for project monitoring and customer relationship management
- logging and monitoring IoT inventory
- learning and applying coding languages, workflows and best practices in order to:
  - create data visualisation dashboards in Grafana
  - configure various IoT devices
  - execute workflows in InfluxDB
  - document database and platform development in Figma
  - deliver "spin-out" projects using Raspberry Pis etc.
  - develop AI capabilities for the assessment of building fabric
- update the web-app using Glide

Full training will be provided for all activities - no prior experience is necessary.

What type of person are we looking for?

The ideal candidate will:
- have proficiency in common programmes e.g. Microsoft Office Suite, Google Workspace, web-based platforms e.g. Notion (you will need to hit the ground running in the basic aspects of the role and build on these skills)
- be an adaptable learner, and thrive in fast-paced environments (project priorities will change constantly and you will have to learn new skills quickly)
- be organised and proactive (you will be responsible for contributing to documentation and monitoring across up to 100 sites)
- have extremely keen attention to detail (you will manage 1000s of inventory items / process large amounts of information with emphasis on accuracy)
- be a great team player(to ensure delivery of the project the team will have to work together well - including being receptive to feedback)
- be excited by the historic built environment and the potential of technology to support its journey to Net Zero (IoT sensors - listed churches!)
- value diversity and model inclusion (we represent, and work with, diverse groups and individuals and will ensure the project is accessible to all)

We are particularly interested to hear from candidates with an interest in one or more of the following:
- Coding - including self-taught /personal projects
- Working with large amounts of information / data, whether organisation, analysis or visualisation
- Making technology accessible to a broader range of people

Cheribim Ltd (& the Diocese of Sheffield):
Innovate UK / Fabric performance assessment
Data & UI Assistant Issued 18.06.2023 **p.2**

What are all the practical details?

Pay: £19-24,000 pa (FTE) depending on experience (part-time FTE salaries above this range will be considered for exception candidates, prorated)
Company benefits: 25 days holiday plus bank holidays (prorated if part-time), flexible working available.
Location: Cheribim, Sheffield Technology Parks, Arundel Street, Sheffield S1 2NS
This is a hybrid working role with an expectation to work from Cheribim's offices at least two days per week and up to four in the first few months (following up to date government COVID guidelines). Regular travel to the Diocese's offices for reporting.
Transport and parking: Central Sheffield with good public transport links, public parking available nearby

To apply: submit a CV and 1 side cover letter to katie@cheribimapp.com
Application deadline: midnight Saturday 8 July 2023
Interviews: Wednesday July 12, 2023
Start Date: ideally August 2023
For an **informal conversation** about the role email katie@cheribimapp.com

The partnership

The Diocese of Sheffield
The Diocese of Sheffield is called to grow a sustainable network of Christ-like, lively and diverse Christian communities in every place which are effective in making disciples and in seeking to transform our society and God's world.

Part of our mission is to be carbon net zero by 2030 and make best use of our buildings within the communities that we serve.

Further information on our vision and mission can be found in the *Recruitment Brochure* on our [vacancies page](#).

Cheribim Ltd
Cheribim is a young start-up with a mission to make relevant technologies accessible to historic building owners and custodians. They have recently completed a remote environmental sensor pilot, and Digital Quinquennial Inspection project funded by Innovate UK.

Based in Sheffield, we are an ambitious, diverse team who value transparency, enthusiasm and genuine care for, and in, everything we do. We're looking for creativity, organisation, and enthusiasm about facilitation over consultation, to work with our team as we continue to learn, grow and make positive change.

Cheribim Ltd (& the Diocese of Sheffield):
Innovate UK / Fabric performance assessment
Data & UI Assistant Issued 18.06.2023 **p.3**