Job Title: Video Annotation Specialist with experience in scripting using MATLAB

Location: Rennes (France)
Employment Type: Contract
Start Date: May 2025

Project description:

"*Transition To 8: European societies in flux*" (*TT8*) is an innovative project merging social sciences, technology, and contemporary art to raise awareness about the impact of air pollution on European communities. Through participatory activities like bodystorming and sociodrama, communities' biometric and emotional responses are recorded, to understand how communities react to social issues, such as air pollution.

The collected data are analysed by computer and social scientists; then they are integrated into digital moodboards in the form of: raw data, visual material, text, graphs, sonifications and visualisations. Those digital moodboards will be given to artists to integrate data into creating original artworks. More information on the project: www.youtube.com/watch?v=X2MGDh03wdM
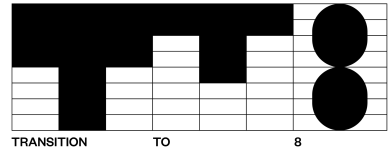
Supported by the Creative Europe programme, the project will run until October 2026 across cities like Eleusis (Mentor / Greece), Rennes (Electroni[k] / France), Ljubljana (MoTA / Slovenia), with exhibitions and performances taking place in all locations and at major festivals such as *SONICA* in Slovenia and *Maintenant* in France, with the final showcase being in Yerevan (TAI / Armenia).

Job Description:

We are looking for a skilled and detail-oriented Video Annotation Specialist with experience in scripting using MATLAB. The ideal candidate will be an integral part of our international team, contributing to the creation, processing, and integration of multimodal datasets. This role requires excellent communication skills, the ability to work collaboratively across borders, and a strong command of English for translation and data exchange.

Key Responsibilities:

- Perform video annotation, being able to import and export annotation times.
- Ensure consistency in the synchronization of the different data sets (video, audio, biosignals, text, etc.)
- Develop and use scripts in MATLAB for automation and dataset management.
- Translate video narratives in English and assist the rest of the team with any translation required in the process
- Collaborate with an international team to exchange data efficiently to create multimodal datasets.

- Create multimodal content, including:
  - Videos enhanced with biosignals.
  - Scripts augmented with biosignal data.
- Ensure consistency and accuracy in integrating biosignals into multimedia content.
- Maintain clear, professional communication with team members

Required Qualifications:

- Experience in video annotation and data labeling processes.
- Proficiency in scripting with MATLAB or PYTHON and with the ability to develop and edit custom scripts.
- Strong English language skills, including the ability to translate.
- Ability to create multimodal content, integrating biosignals into videos or scripts.
- Effective communication skills, both written and verbal, for international collaboration.
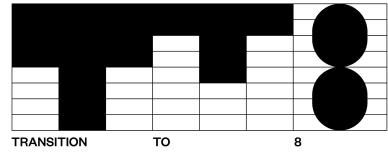
Academic background (relevant fields):
- **A degree in relevant fields (Bachelor's or Master's preferred):**
  - Computer Science or Data Science Bachelor's Degree (Proficiency in data analysis, synchronization, and processing techniques. Knowledge of biosignal analysis and feature extraction.)
  - Biomedical Engineering or Life Sciences Bachelor's Degree (Familiarity with wearable technologies and physiological data acquisition (e.g., heart rate, body temperature).
  - Cognitive Science, Psychology, or Social Sciences with a Technical Focus Bachelor's Degree (Understanding of experimental data collection methods in social or behavioral research. Experience in managing and annotating physiological and emotional data.)

Preferred Qualifications:
- Experience working on projects addressing social or environmental challenges.
- Familiarity with interdisciplinary approaches combining social sciences, art, and community engagement.
- Experience in European projects will be considered as an additional asset.
- Ability to work in multicultural settings and adapt to the needs of diverse groups.
- Familiarity with wearable technology and biosignal acquisition.
- Experience setting up cameras and microphones for recording, extracting the recording, and maintaining the equipment (ex. Charge the equipment, store data, clean memory)

What will you do in the project and timeframe:
As a Video Annotation Specialist with experience in scripting using MATLAB, you will play a key role in two sociodrama sessions taking place in Rennes during June or July. These sessions aim to engage the community, fostering activation and awareness around the critical issue of air pollution within their local context.

Using wearable physiological sensors and collaborating with social scientists, both qualitative and quantitative data (heart rates, galvanic skin response, and temperature) will be collected during the sessions, capturing participants' physical and emotional reactions and interactions. However, a month prior to the sessions should be considered as a preparatory period. Following the sessions, you will collaborate closely over the next four months with a team of social scientists, sociodramatists, and data analysis and synchronization specialists to analyze and curate this data. The goal is to prepare a comprehensive dataset that can be shared with artists, who will use these insights to create innovative works inspired by the findings.

This role requires collaboration, analytical precision, and creativity to bridge data and artistic expression effectively.

Timeframe:
- 1 month preparation before the sociodrama sessions (June)
- 4 months of analysis and curation of data (3 month analysis, 1 month curation)

How to Apply:
To apply, please send your CV, a cover letter of max 500 words (both in English and in French) outlining your experience and interest in the role, and any relevant publications or portfolio materials to Florine Rupin at communication@electroni-k.org with "Transition to 8 [TT8] - Application for Video Annotation Specialist with experience in scripting using MATLAB" in the subject line. Applications close on March 31st, 2025.