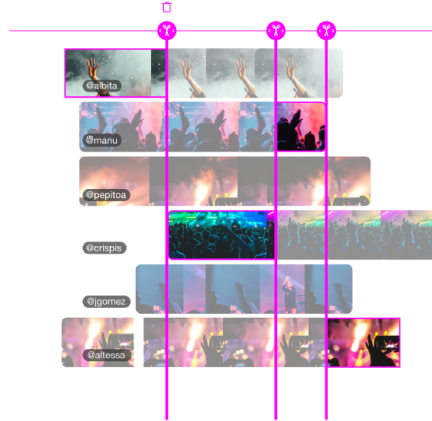


**Automated Video Edition Using Representations From Collaborative Experts**  
**Master Internship offer**  
February 2022



**izirecord.com** is a startup whose mission is to bring to the market a novel approach to collaborative video creation with smartphones.

The successful candidate will join a team of researchers, software engineers and creatives developing a mobile-based collaborative video app. He will be in charge of investigating methods enabling Automated Video Edition (AVE). The AVE system will select which among a set of synchronized video shots should be selected, in order to create a video of a pre-defined duration that combines the contributions of different shots. The work will build on top of an existing attention-based automated video editor [1] and other recent state of the art approaches [2,3].

The intern will explore different strategies to improve the current baseline model. The main idea of the project is to incorporate knowledge from existing deep learning expert models for a variety of computer vision tasks (e.g. object detection, image captioning, optical flow, etc.) into the decision process. In addition, other options might also be explored, such as incorporating information of tracked objects through different viewpoints, or other modalities such as sound. The evaluation of the resulting model will involve the design and analysis of human-judgment studies.

**Candidates interested should send a CV and a cover letter by email at** Joan Llobera (joan.llobera@larumba.app) and Lluís Gómez (lgomez@cvc.uab.es), with the title of the mail including “application for S202 internship”

[1] Jiménez, A., Gómez, L., and Llobera, J. (2022) *Automated Video Edition for Synchronized Mobile Recordings of Concerts*. VISAPP 2022.

[2] Huang, Y., Bai, X., Wang, O., Caba, F., & Agarwala, A. (2021). Learning Where to Cut from Edited Videos. CVPR Workshops 2021.

[3] Koorathota, S., Adelman, P., Cotton, K., & Sajda, P. (2021). Editing like Humans: A Contextual, Multimodal Framework for Automated Video Editing. CVPR Workshops 2021.

<https://izirecord.com/>  
La Rumba de Barcelona S.L.  
C/ Casp 40, Ppal 2, 08010 Barcelona  
+34 932 07 53 56