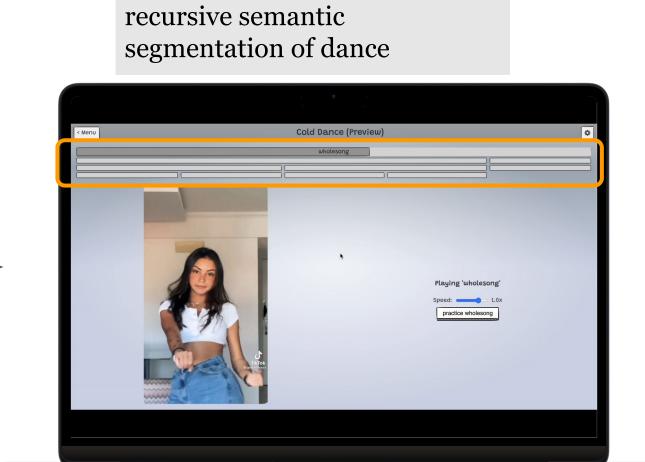
Demo: Breathing Life into a Virtual Dance Coach

Julien Blanchet, Sixuan Han Dartmouth College

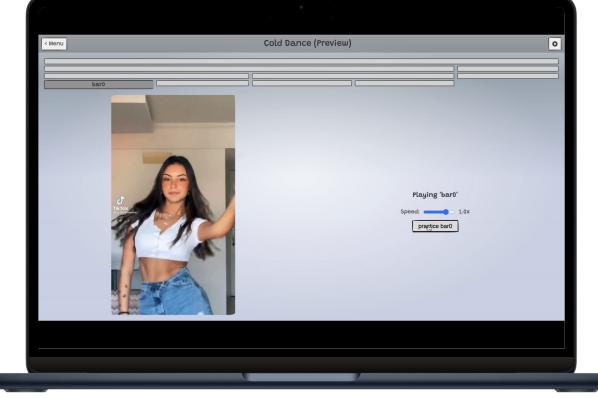
Features & UI/UX Design



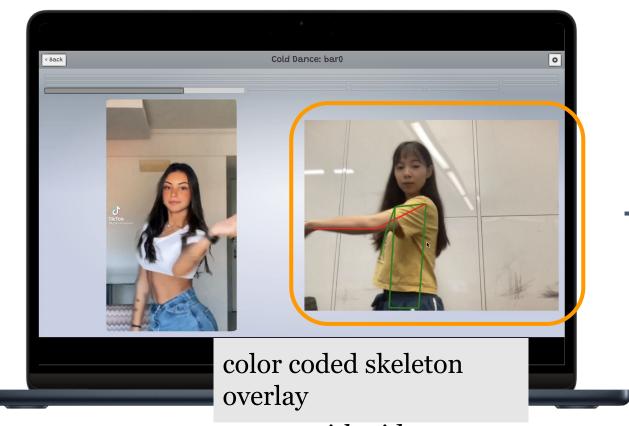
home page: pick a dance



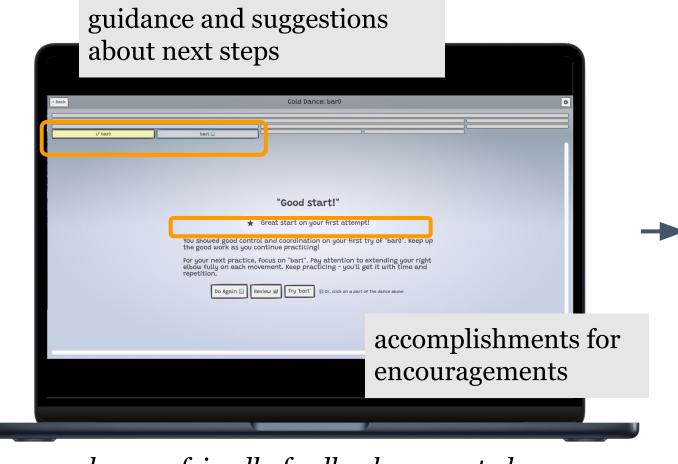
preview the whole song



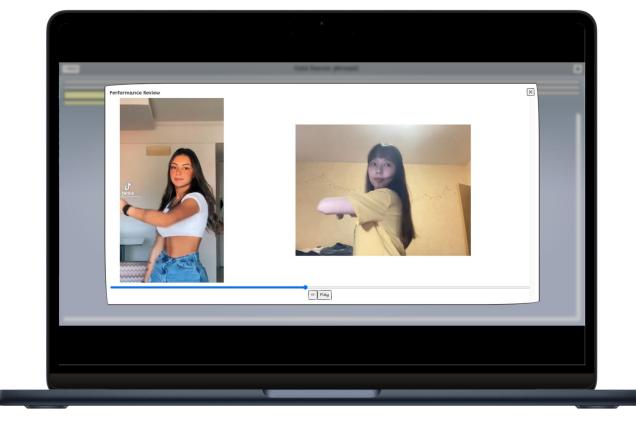
start with the first segment



attempt with aid



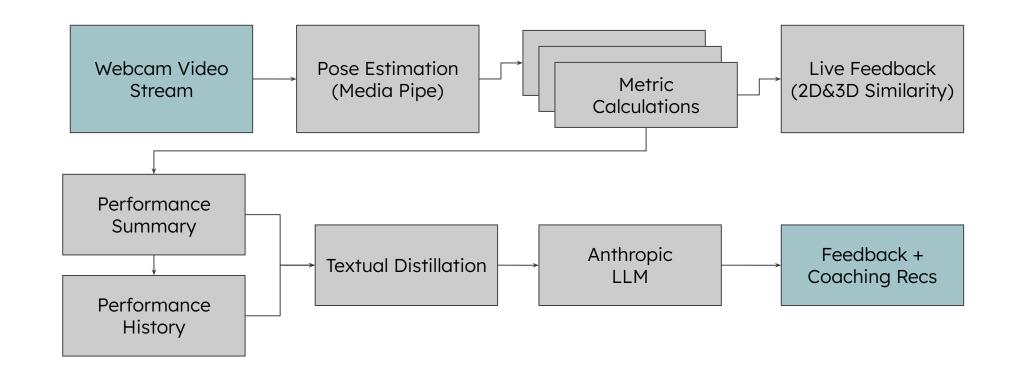
human friendly feedback generated by LLM



review your attempt recording



memory of past attempts



Pilot Study

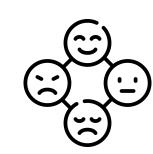
Methods:

- workshop-style user studies
- individual feedback & group discussion

Key Insights:

- Makes users focused on accuracy and aware of movements
- Scores are useful to show, but not all of the times
- Should allow for multiple modes, eg. drill without feedback
- Should have more intuitive and accessible interface

Next Steps



emotionally responsive coaching



conversational interface



richer motion understanding



watching replay





robot teacher



augmented mirror

Image credit: Flaticons