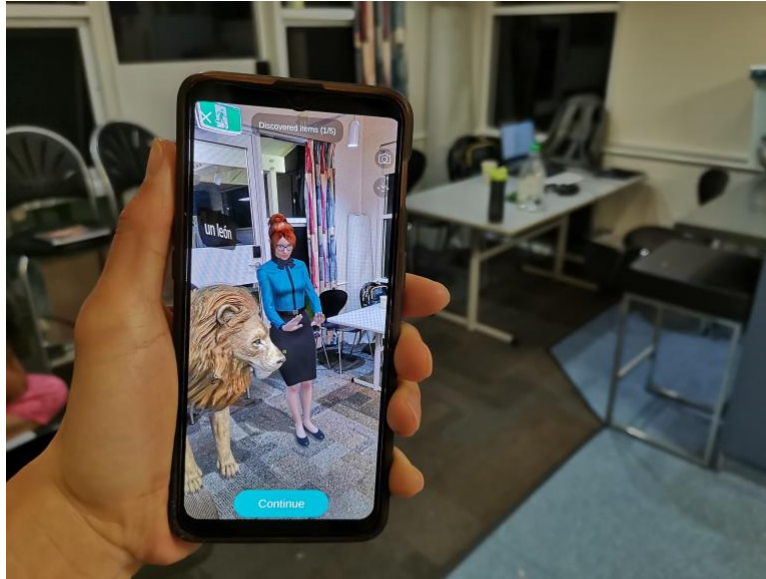


## Review: MondlyAR Language Learning Application

### 1. Screen Captures of MondlyAR




*Picture1.1 Screen captures of MondlyAR (vertical)*



*Picture1.2 Screen capture of MondlyAR (horizontal)*

### 2. What is MondlyAR?

**MondlyAR is a language learning application** that uses augmented reality to enhance exploration in language learning. The user's phone works as a lens, it takes a scan of the user's current surroundings via the user's mobile phone camera and then displays a CGI



teacher and animations in the user's living room, playground or anywhere (MondlyAR - World's first augmented reality language learning app, 2020). It allows the user to interact with this augmented reality world, such as tapping them on the mobile device, getting up to get a close and 360 view.

### 3. The significance of the interface

- a. Augmented Reality (AR) technology expands the interface on a small mobile screen. It makes the user's learning experience closer to the interaction in reality compared to the traditional textbook, the classroom or other learning apps that are based on text and prerecorded audio/video.
- b. AR helps to make the learning material interesting, during the interaction. As a language learner, I find the computer-generated animations appear in my room, which helps me to remember the words better.

### 4. Technologies used in MondlyAR

- a. **Augmented Reality** - The app generates a CGI teacher on the mobile device in your office, living room or wherever.
- b. **Text to voice** - The teacher will speak to the user in their language, based on the language that the user set in their profile. And then the app can read the script out in that language to users.
- c. **Voice recognition** (speech-to-text) - The app detects the user's voice and recognize it, comparing it to the answer. So that it can offer the user quick and responsive feedback.

### 5. Strength and Weakness

- a. **Strength** - Innovative features allow multi interaction and keep users interested.
  - Allow users to interact with the learning item via vision, touch, audio, and speech. Give users a conversion experience to embrace in the language learning environment. For example, the user can learn the word for “ear” while touching it on the ear of a lion on the screen from all angles.
  - The speech recognition feature compared to traditional text typing methods make for a varied and engaging experience.
  - Language learning is a journey for learners, it takes time and constant effort. Thanks to the AR technology that MondlyAR is using. There is certainly a “wow” moment when I first launch the app and see the virtual characters, even though I have an expectation of what is going to happen.

## b. Weakness

- Limited screen space for mobile phone users.
- The language learning content is scripted, not much room for learner's free exploration during their language learning process.
- The animations that are generated are not always shown correctly on the surfaces. It often appears too large or too small compared to the real size during the testing.



*Picture 5.1 The animation is sitting on the wrong surface*



*Picture 5.2 The animation is shown in a smaller size than in reality*

- Users have to tap the button on the screen to talk. It breaks the natural interaction experience relay on voice, vision and motion.
- The computer-generated voice for the animation characters sounds robotic, still a long way from natural.
- The “wow” moment that the AR interface brings to the user may fade during the time (An Honest Review of Mondly: Tech as Learning Aid or Gimmick?, 2020).



## 6. What else can the interface technology be applied to?

- **3D modelling teaching application**
  - Allow the teacher to show 3D models in the class, for students, they just need to check the models in the app and be able to get a zoom-in view in real-time.
- **Personal workout training application**
  - The app can be shifted to personal workout training applications. Allow users to view the trainer in a 360 view, it helps the user to get the position correctly. Make the training more intractable.
- **Distance AR meeting/conference application**
  - For people who want to attend meetings from a distance, the AR technology can generate a virtual table and attendants' face and body on the mobile device.

## Reference

FluentU Language Learning. 2020. *An Honest Review Of Mondly: Tech As Learning Aid Or Gimmick?*. [online] Available at: <<https://www.fluentu.com/blog/mondly-review/>> [Accessed 17 March 2020].

Mondly.com. 2020. *Mondlyar - World's First Augmented Reality Language Learning App*. [online] Available at: <<https://www.mondly.com/ar>> [Accessed 17 March 2020].