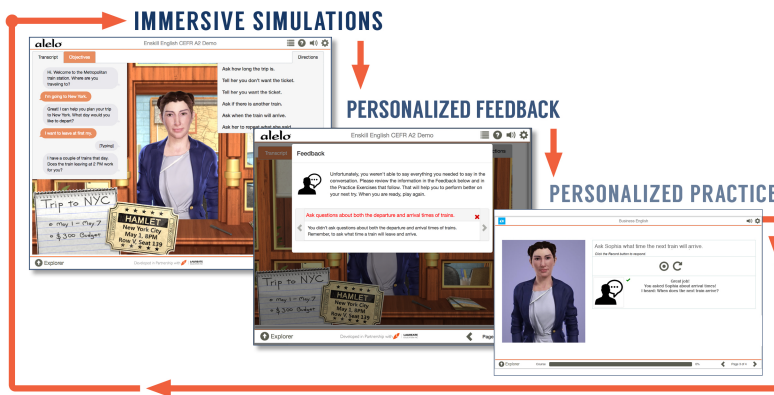


Unique Technologies in Alelo Enskill®



✔ **Unscripted conversations with artificially intelligent avatars.** Enskill's patented technology enables learners to engage in unscripted conversations with animated avatars. Learners are given tasks to accomplish that requires them to think critically and use appropriate language. The system can accept any response as long as it is on topic and respond accordingly. It will respond realistically, as in real life, even if the learner's response is gibberish. Enskill continually collects speech training data from English language learners around the world, and uses it to train artificial intelligence models and improve dialogue performance¹.

Enskill's conversational practice is superior to previous approaches such as:

- ✘ **Reading written prompts.** Language learning apps such as Duolingo and Edusoft present sentences for the learner to read aloud, and evaluate the learner's pronunciation. Some present learners a script in which they read their part line by line. Some products such as Rosetta Stone simulate conversations by presenting learners with a menu of written prompts to read aloud. Unfortunately, reading aloud does not prepare learners for the give-and-take of spoken interaction.
- ✘ **Online messaging.** Some products such as Busuu encourage conversational practice via online messaging. Such online conversations are very slow, and so are poor practice for spoken interaction.

✔ **Automated assessment of effective language use.** Alelo's new patent-pending technology evaluates learner language use to determine whether it is clear, coherent, and persuasive. This prepares intermediate and advanced English language learners to use language appropriately in business and academic settings. No similar capability exists in the world today.

✔ **Formative assessments and personalized lesson plans.** As learners interact with Enskill it constructs a detailed profile of learner competencies, aligned with can-do statements in the Common European Framework of Reference. It measures learner fluency and ability to perform communicative functions. It then uses this profile to select exercises for each student, based on their individual needs. This helps each student to make rapid progress.

✔ **Analytics for teachers that help them identify learners who are struggling.** Enskill provides instructors with tools to track learner performance improvement. Instructors can immediately see which students are struggling, and reach out and help them. This is very important for students who are learning at a distance due to COVID-19.

✔ **Anywhere access.** Enskill learner profiles are stored in the cloud and are accessible from any device. This is particularly important in the COVID-19 era when learners may alternate between study at university and study at home.

¹Data-driven development and evaluation of Enskill English.
International Journal of Artificial Intelligence in Education 29:425-457.