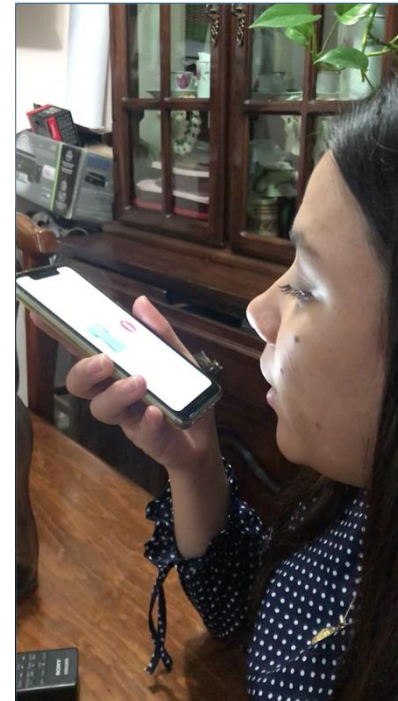# Alelo: Conversational AI for Rapid Skilling

- Train and assess in simulations with AI-powered ALCs

- Benefits:
  - Develops skills over 2x faster, with better retention
  - Builds self-confidence
  - Assesses skills in realistic situations

- Award-winning technology, years of experience

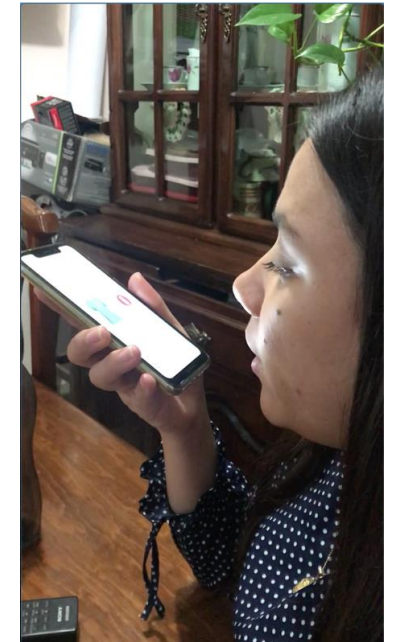- Ready for major scale-up, thanks to generative AI

Case Study 1: Alelo Training Saves Lives in Afghanistan

- An Army battalion commander had everyone in the battalion train with Alelo's *Tactical Pashto* game

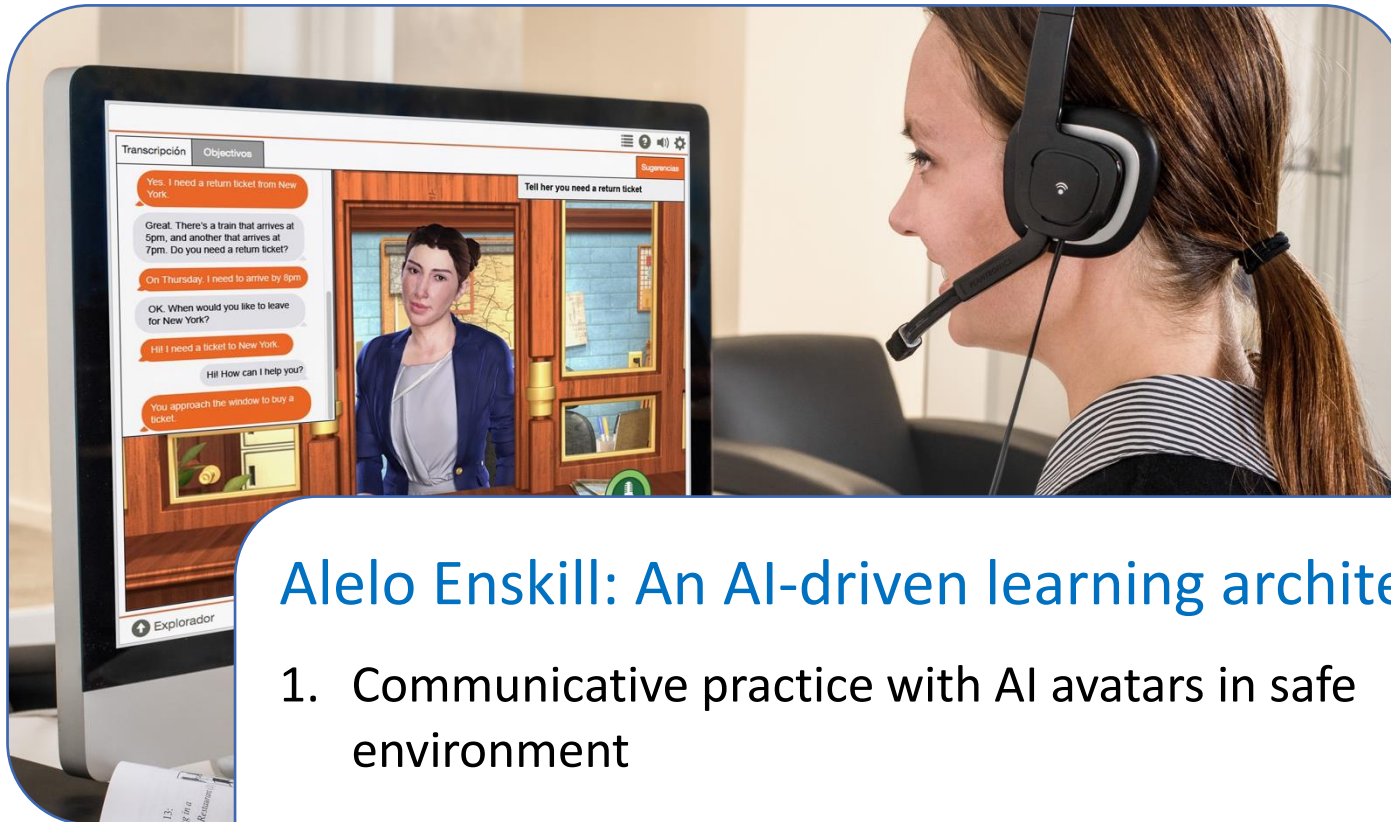- Insurgent attacks dropped from multiple per day to one or two a month!

Case Study 2: Alelo Accelerates Language Learning at UVM

- UVM (Universidad del Valle de México) Toluca Campus integrated Alelo into their English curriculum

- Students learned faster and came to class better prepared, making classroom learning more efficient

Alelo Enskill: An AI-driven learning architecture

1. Communicative practice with AI avatars in safe environment

2. Formative assessments and feedback

3. Personalized practice

4. Analytics for teachers, learners, and administrators

5. Data-driven development

Case Study 3: Alelo is a Winner of the XPRIZE Rapid Reskilling Competition

- XPRIZE competition looked for solutions that can reskill workers in half the time

- Alelo's winning solution rapidly retrained people for community health work

- Employers were highly satisfied with trainee skills

New: GenAI Sales Training Simulation

More examples at https://www.youtube.com/@aleloinc4570

Benefits of Generative AI in Enskill

- Generative AI supports open-ended conversations
- ALCs can model the soft skills being taught
- ALC behavior adapts to what the learner says
- GenAI generates constructive feedback, so learners can quickly improve
- Development time is reduced
- In the future: clients will be able to create their own AI-powered learning simulations
  - Users will be able to **design their own ALC scenarios,** without coding
- This will make possible scale-up and widespread adoption of AI-powered ALCs

Shortcomings of Current Generative AI

- Avatar behavior unpredictable, making consistent training a challenge

- Gen AI is not good at generating consistent evaluation metrics

- Testing and iteration is needed

- Response latency is often too high

- Usage costs are a barrier to scale

- The future of current Gen AI models (especially from Open AI) is uncertain

Practice is the #1 Contributor to Learning Success

*A recent meta-study *"An Astonishing Regularity in Student Learning Rate"* has confirmed that
Learning gains correlate with <u>practice opportunities</u>

Learners at all levels improve at roughly the same rate, <u>if they practice</u>

Simulations give learners <u>practice opportunities</u>, and can also be <u>assessments</u>

<u>Practice is repeated</u> until competency is reached.

*Koedinger, et al
Human-Computer Interaction Institute
Carnegie Mellon Univ, 2023