EduSpeak is a speech recognition toolkit specifically designed for developers of language-learning applications (such as for ESL) and other educational and training software. Increasingly, educators, publishers, employers, and consumers use interactive, computer-based materials to teach or train students of all ages. Adding speech recognition is a principal way to enhance these materials' interactivity and ultimate effectiveness. But general-purpose speech recognition systems lack the broad array of multimedia development interfaces essential for use with diverse educational platforms.

Unlike those general-purpose systems, EduSpeak works with Flash, Java, ActiveX, and C/C++.

EduSpeak works for both adult and child voices. EduSpeak excels at recognizing both native and non-native speakers. And no other speech recognition system includes SRI’s patented human-calibrated pronunciation-scoring technology—a critical product differentiator for interactive language learning and assessment, and for reading instruction applications.

EduSpeak is a product of SRI’s Speech Technology and Research Laboratory, a world leader in speech technology research.

Features

- Wide range of programming interfaces
- Recognizes adult and child voices
- Works for native and non-native speakers
- Human-calibrated pronunciation scoring
- Deployable locally, via download, CD- or DVD-ROM media, or client/server or cloud services

Speech Recognition Toolkit Specifically for Developers of Language-Learning, Educational, and Training Software

Specifications

- Operating Systems
  - Windows XP or later
  - Mac O/S 10.4 or later
  - Linux
  - Android

- Development Environments
  - Flash, Java (via JNI), ActiveX, C/C++, Java Script, and Director
  - Client/server versions available
  - All major web browsers

- Supported Languages
  - Adults: American & British English, Latin American Spanish, Iraqi Arabic, Pashto, and Dari (others on request)
  - Children: American English
  - Grammars: GSL/JSGF forms; static or dynamic; natural language understanding

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