

SRI International

EduSpeak®

Speech Recognition Toolkit



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*

SRI International

Silicon Valley-based SRI International, a nonprofit research and development organization, performs sponsored R&D for governments, businesses, and foundations.

SRI brings its innovations to the marketplace through technology licensing, new products, and spin-off ventures.

Commemorating its 65th anniversary in 2011, SRI is known for world-changing innovations in computing, health and pharmaceuticals, chemistry and materials, sensing, energy, education, national defense, and more.

SRI Sarnoff is well known for its broadcasting, vision, and semiconductor innovations.

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