Presentation Agenda

I. Desktop Video System
II. Sign Language Video Production
III. IdeaTools Multimedia Applications
IV. Sample Tutorial Demos

Desktop Video System

- **Hardware**
  - Personal Computer
  - Digital Video Camcorder
  - Firewire adapter card & cable

- **Software**
  - Microsoft Windows XP
  - Windows Movie Maker

Capture Video
Windows Movie Maker - free with Windows XP

Encode Video for the Web
Windows Movie Maker - free with Windows XP

Paper presented at the
Instructional Technology and Education of the Deaf Symposium
National Technical Institute for the Deaf
Rochester, New York     June 2005
http://www.rit.edu/~techsym
Sign Language Video Production

- **Preproduction**
  - Self-taping
  - Working with interpreters
- **Postproduction**

Creating Sign Language Video

**Preproduction**

- **Self-taping**
  - Set up camera
  - Record yourself as you sign
- **Working with Interpreters**
  - Develop script
  - Record audio on computer
  - Save audio recording to CD-ROM; give to interpreter for rehearsal
  - Interpreters set up camera and record “interpreting” session
  - Can transcribe audio to use as captions

Creating Sign Language Video

**Postproduction**

- Capture video from camera to computer
- Compress captured video
- Edit video
- Splice audio (if applicable)
- Encode video for the web
- Upload video to IdeaTools server

IdeaTools Multimedia Applications

- **Captioning Tool**
  - Create IdeaTools captions for video
- **Presentation Builder**
  - Create IdeaTools presentation slides
- **IdeaTools Studio**
  - Create interactive tutorials from video & IdeaTools presentation slides

Captioning Tool

- Project compiled for the web as captioned video
  - Captions can be edited at any time and recompiled
  - Captions automatically synchronized with Windows videos (WMV)
  - Captions can be exported for use with QuickTime video
Presentation Builder

Build a web-based slideshow

• Add empty slides to presentation builder

• Add content to slides using a WYSIWYG editor
  - Insert formatted text
  - Add images/charts
  - Insert videos
  - Create animated elements that appear successively in one slide

IdeaTools Studio

Interface similar to Captioning Tool
• Select presentation and video to synchronize
• Mark in/mark out video segment and choose corresponding slide
• Click Synchronize button
• Selected slide will be displayed when video segment is played

Sample Tutorial Demos

• Captioned video tutorials
  - traditional captions
  - formatted captions
  - persistent captions
  - reverse captions
• Interactive multimedia tutorials with ASL video

Traditional Captions

• Video with captions underneath

Multimedia Authoring Tools
**Formatted Captions**

- Captions can be formatted as HTML text and positioned anywhere

![Formatted Captions Example](image)

**Persistent Captions**

- Captions stay on screen throughout presentation
  - Easy for viewer to refer back

![Persistent Captions Example](image)

**Reverse Captions**

- Captions act as links to video segments
- Result is similar to interactive DVD format

![Reverse Captions Example](image)

**Interactive Multimedia Tutorials**

- Video segments can be synchronized with text, graphics, even other video to create interactive tutorials

![Interactive Multimedia Tutorials Example](image)

**Interactive Multimedia Tutorials**

- Learner can navigate to different segments

![Interactive Multimedia Tutorials Example](image)

**Questions?**
Thank You!

• For more information, contact
  Simon Ting, sttedr@rit.edu
  Rose Marie Toscano, rmtnde@rit.edu

• To see more examples, visit
  idea3.rit.edu/sktnmp/video