

# **VTechWorks Video Accessibility**

**Client: Keith Gilbertson**

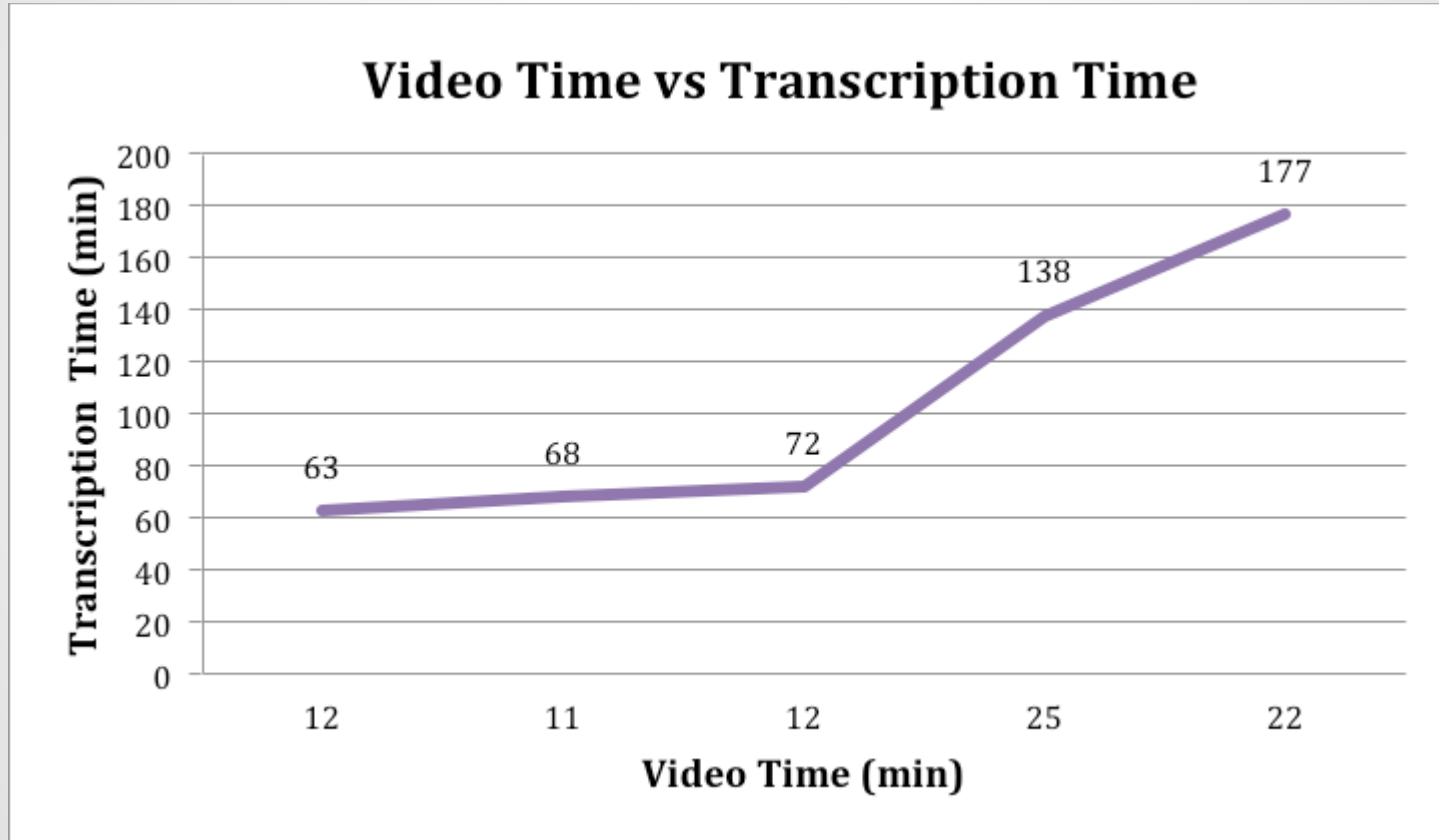
**Cassidy Heath, Tucker Legard, Edna Morales,  
Bradley Retterer, Michael Supanich**

**CS 4264, Virginia Tech, Blacksburg, VA  
5/6/2014**

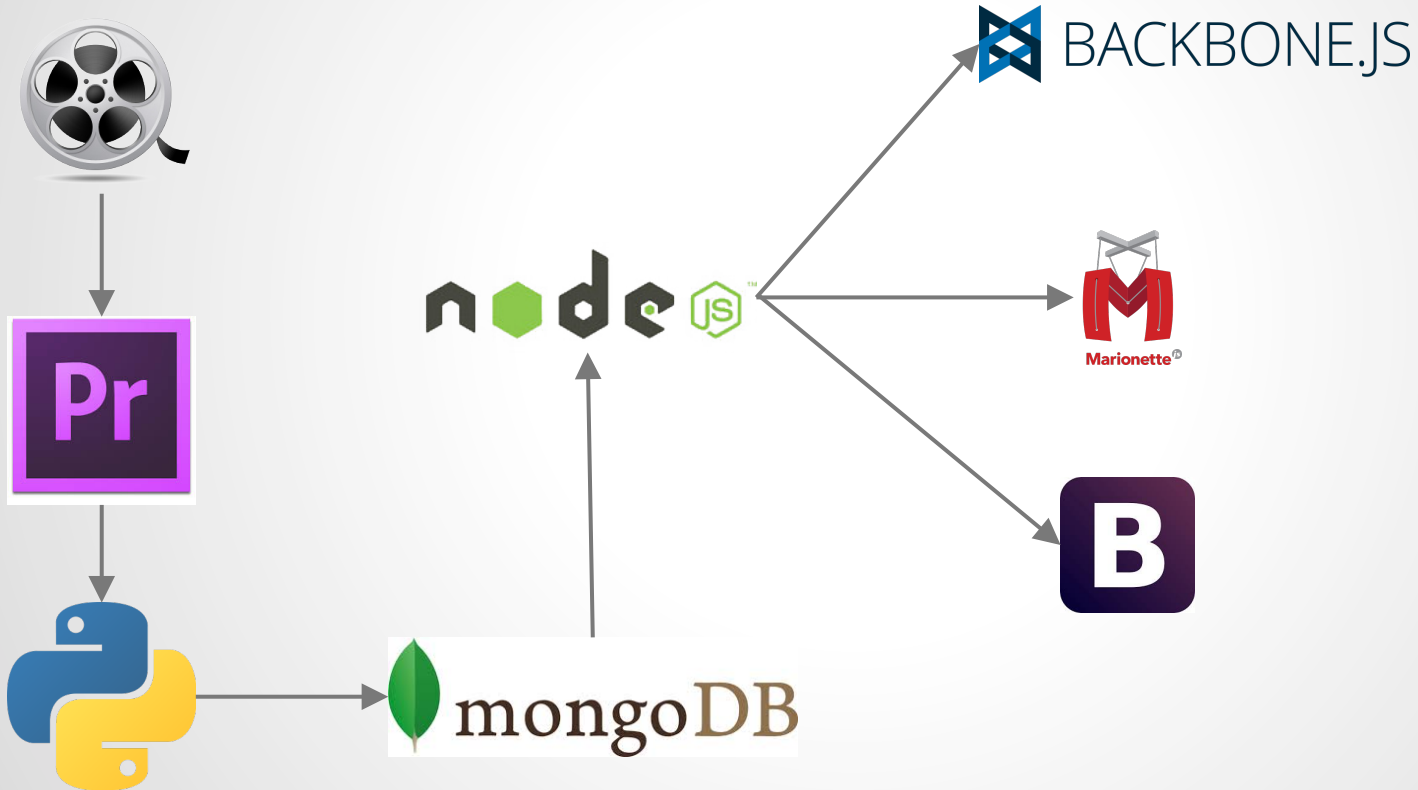
# Project Description

- VTechWorks and Event Capture Group
  - Video accessibility
  - Transcription and captioning
  - Full-text searchable
- Manual and software transcription
- Transcription assistance

# Manual Transcription Findings



# System: Details



# System: Interaction

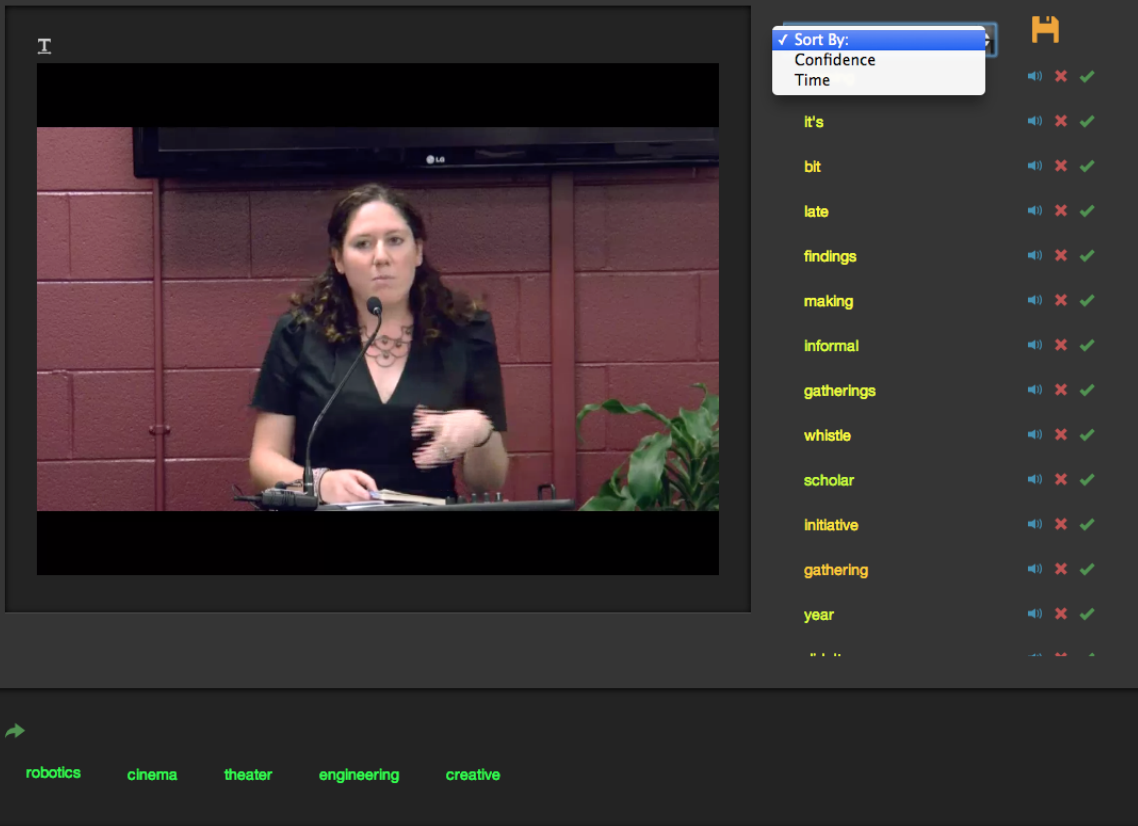
## Video List

The following a list of videos that we currently have transcription data on:

[Erika Meitner](#)

# System: Interaction

## Transcription Maker

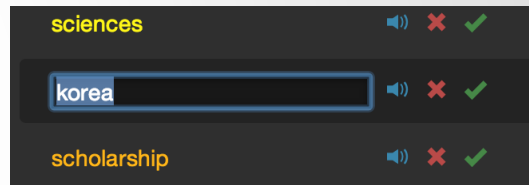


The interface features a video player on the left showing a woman speaking. To the right is a list of transcription items, each with a speaker icon, a red 'X', and a green checkmark. A 'Sort By' dropdown menu is open, showing 'Confidence' and 'Time' options. At the bottom, there are navigation buttons for 'robotics', 'cinema', 'theater', 'engineering', and 'creative'.

Item	Speaker	Red X	Green Check
it's	🔊	✗	✓
bit	🔊	✗	✓
late	🔊	✗	✓
findings	🔊	✗	✓
making	🔊	✗	✓
informal	🔊	✗	✓
gatherings	🔊	✗	✓
whistle	🔊	✗	✓
scholar	🔊	✗	✓
initiative	🔊	✗	✓
gathering	🔊	✗	✓
year	🔊	✗	✓

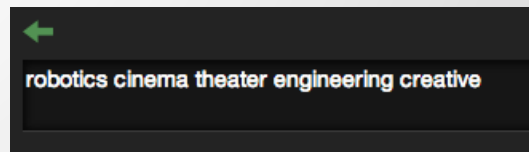
Sort By: Confidence, Time

robotics cinema theater engineering creative



This close-up shows three items from the transcription list: 'sciences', 'korea', and 'scholarship'. Each item has a speaker icon, a red 'X', and a green checkmark. The 'korea' item is currently selected, indicated by a blue highlight.

sciences	🔊	✗	✓
korea	🔊	✗	✓
scholarship	🔊	✗	✓



This close-up shows the navigation bar at the bottom of the interface. It features a green left-pointing arrow and the text 'robotics cinema theater engineering creative'.

← robotics cinema theater engineering creative

# Lessons Learned

- Research and ideation process is iterative
- Automatic transcription is hard
  - English is ambiguous
- Manual transcription is tedious
  - Often quite frustrating as well
- Complete transcription is unnecessary
  - Keywords suffice for project scope

**Questions?**