Beta Presentation

Smart Automatic Video Creation

The Capstone Experience

Team TechSmith

James Davison
Scott James
Patrick Renner
Mingzhu Wei
Jiaqi Zuo

Department of Computer Science and Engineering
Michigan State University
Fall 2019
Project Overview

• Automatically generate videos based on scripts
• Users can log in to create/manage projects
• Users can review and edit generated videos
• Allows the user to translate the text to different languages
System Architecture
Project Creation

Create Project

TechSmith provides software that empowers people to communicate more effectively by easily creating visual content such as images and video. Their flagship products, Snagit and Camtasia, are used by more than 30 million people worldwide.

Creating videos is a difficult, lengthy, and potentially expensive process. Many content creators are looking for an efficient way to automate the video creation pipeline.

Our Smart Automatic Video Creation platform automatically generates high quality, unique videos based on a single text input.

In particular, our system takes any script or article as input and automatically creates video content composed of relevant images, videos/animations, sounds, and text annotations.

After the visual components of the video are selected, the text is again analyzed for sentiment.
Keyword/Asset Selection

Review Smart Automatic Video Creation

Translation

English

Slides

TechSmith provides software that empowers people to communicate more effectively by easily creating visual content such as images and video.

Our Smart Automatic Video Creation platform automatically generates high quality, unique videos based on a single text input.

In particular, our system takes any script or article as input and automatically creates video content composed of relevant images, videos/animations, sounds, and text annotations.
Video Display
Manage Projects

TechSmith
Smart Automatic Video Creation

Hello rennerp1@msu.edu! My Projects Logout

© 2019 - TechSmith Corporation

The Capstone Experience  Team TechSmith Beta Presentation 7
What’s left to do?

• Allow the user to select between automatic and manual video creation
• Display currently used assets and keywords in the project edit page
• Provide functionality to support multiple videos being created at the same time
Questions?