



# Beta Presentation

# TechSmith Video Summarizer

The Capstone Experience

Team TechSmith

Collin Bleech

Alex Deneau

Chad Quinlan

Justin Tu

Jacob Willinger



*From Students...*  
*...to Professionals*

Department of Computer Science and Engineering  
Michigan State University  
Fall 2020

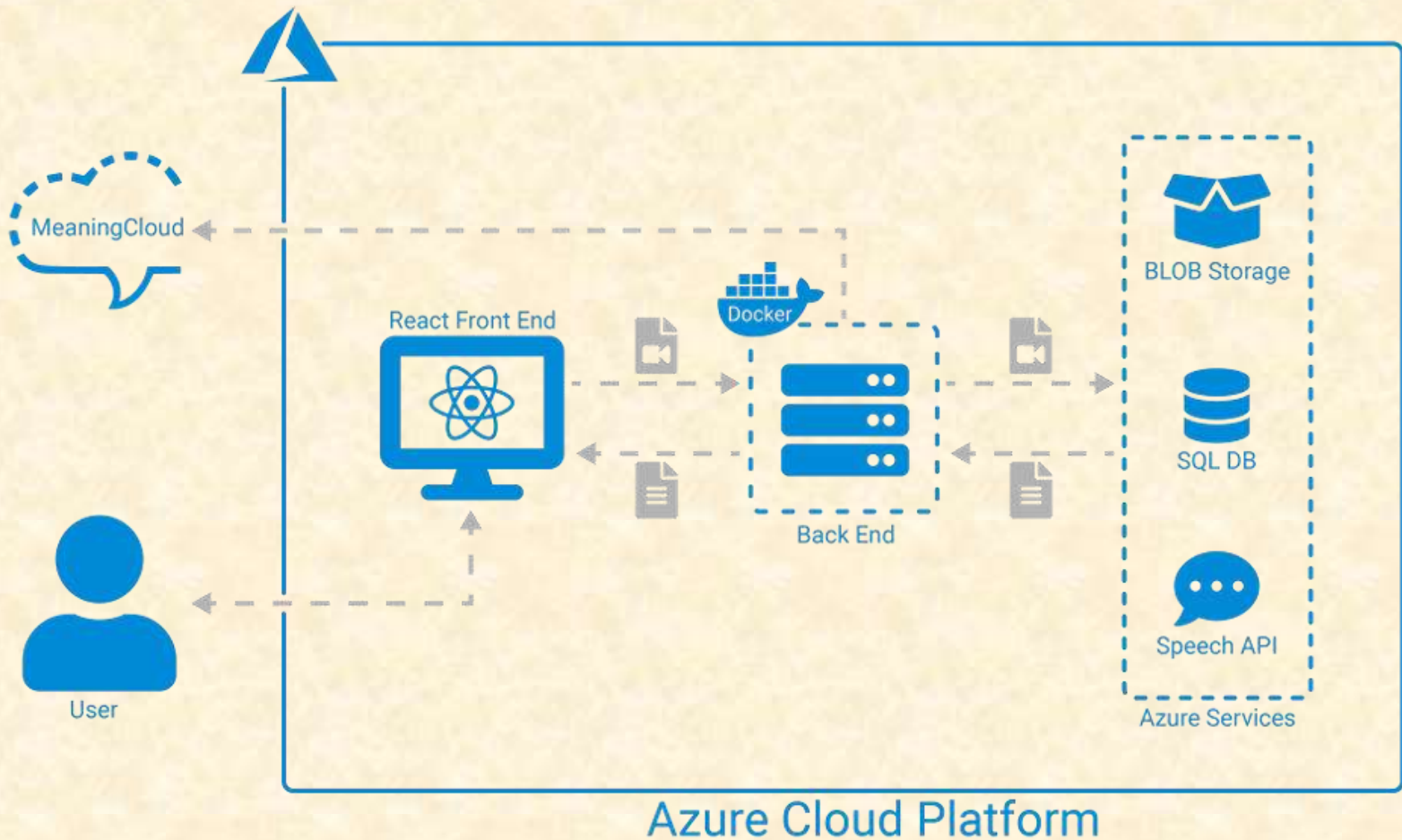
# Project Overview

---


- Split and Summarize Videos
  - Any video of any length
  - Easily view “segments” to improve your learning experience
- User Accounts
  - Watch videos whenever and wherever you are
  - Manage uploaded videos
- Streamlined User Experience
- Translation
  - Translate video summaries into other languages

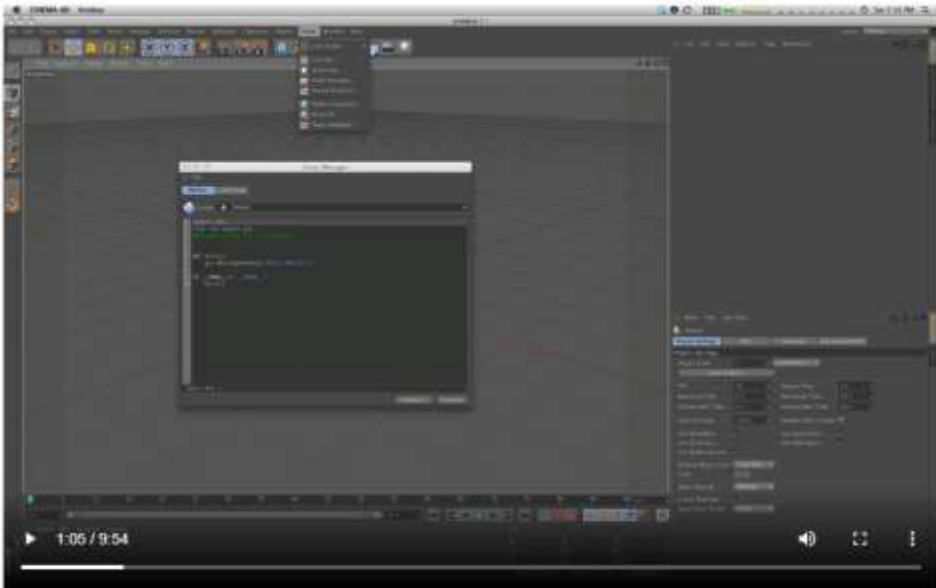


# System Architecture



# Viewing a Video

Video My Videos Upload



1:05 / 9:54

pythontutorial

script manager console sort of input code instructions

Summaries Afrikaans

Translate Summaries

Search By Keyword

This is the first video and what's going to be a series of tutorials introducing Python in Cinema 4D and Python is a scripting language that I think was started in the early 90s and as of release 12 it's been integrated in cinema 4D and what I'm

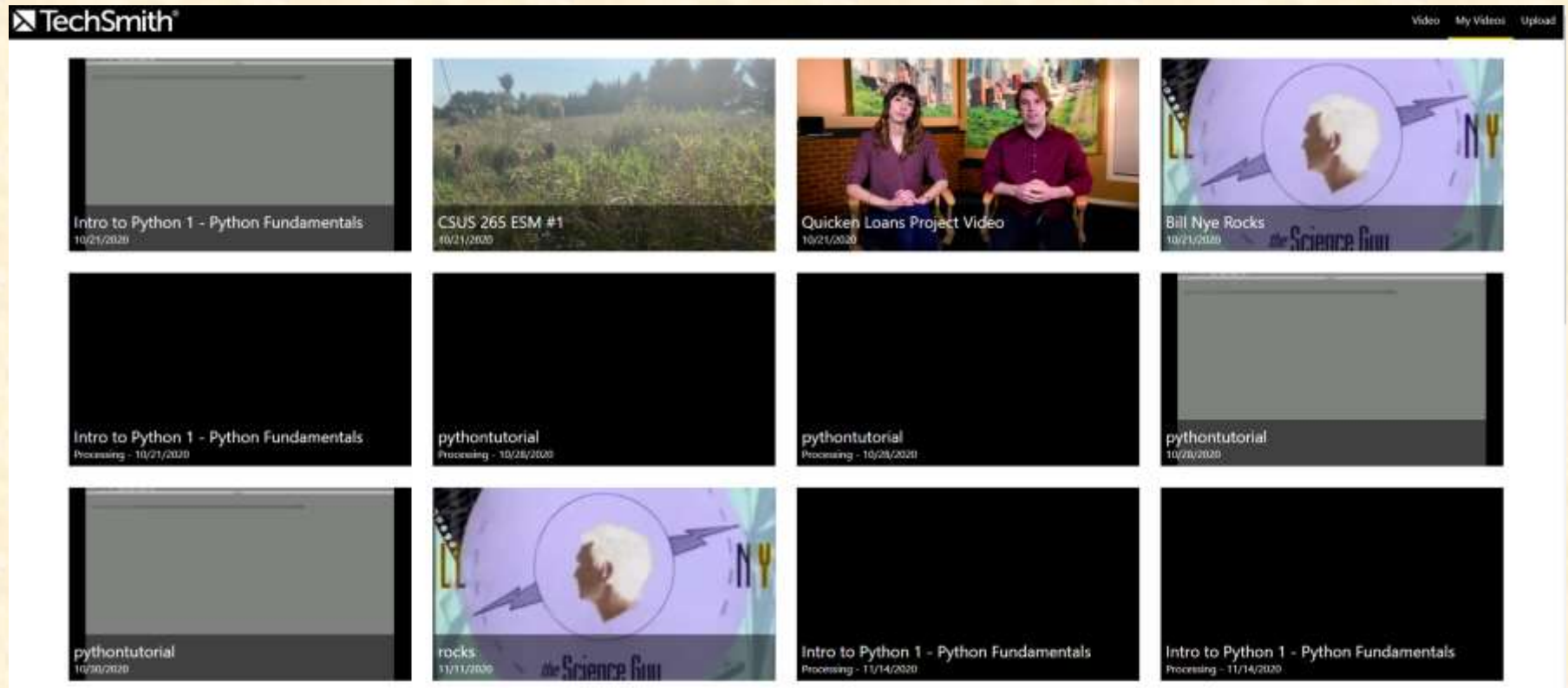
You can think of the script manager and the console is sort of input and output. You know the the script manager is where you write your code and send instructions to cinema and the console is where you get messages from the script while

So this is a pretty simple script that handles that, but we're going to start even simpler. We're going to start with a single line to make sure the basics are clear, and so our first script is just going to say print parentheses.

# List of Summaries on Website

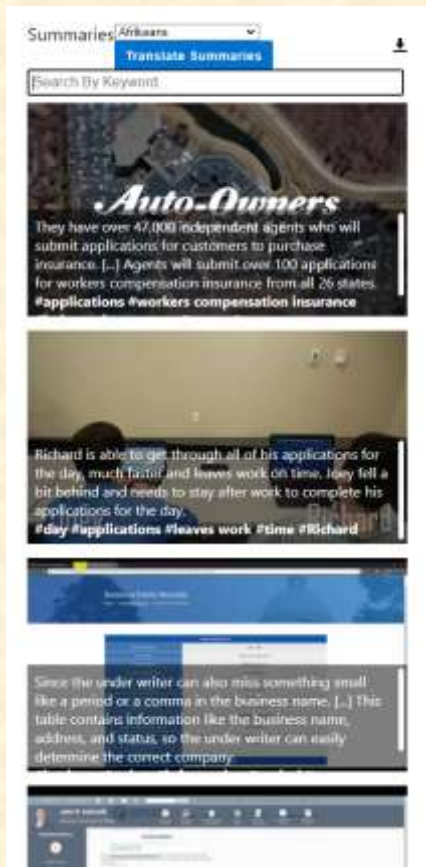


# My Videos Page





# Before & After Keyword Search



# What's left to do?

- Algorithm Optimizations
  - Segmentation
  - Time stamps
  - Video Processing
  - Overall optimizations
- Authentication
  - Ensuring the API is secured
  - Users can only edit their videos
- Additional Video Format Support





# Questions?

---

?

?

?

?

?

?

?

?

?

