

**MICHIGAN STATE**  

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**UNIVERSITY**

# Beta Presentation

## ACE: Automated Content Editor

The Capstone Experience

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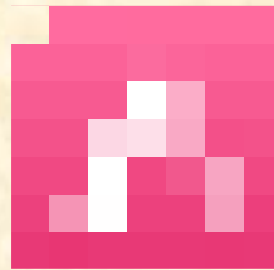
Fall 2023



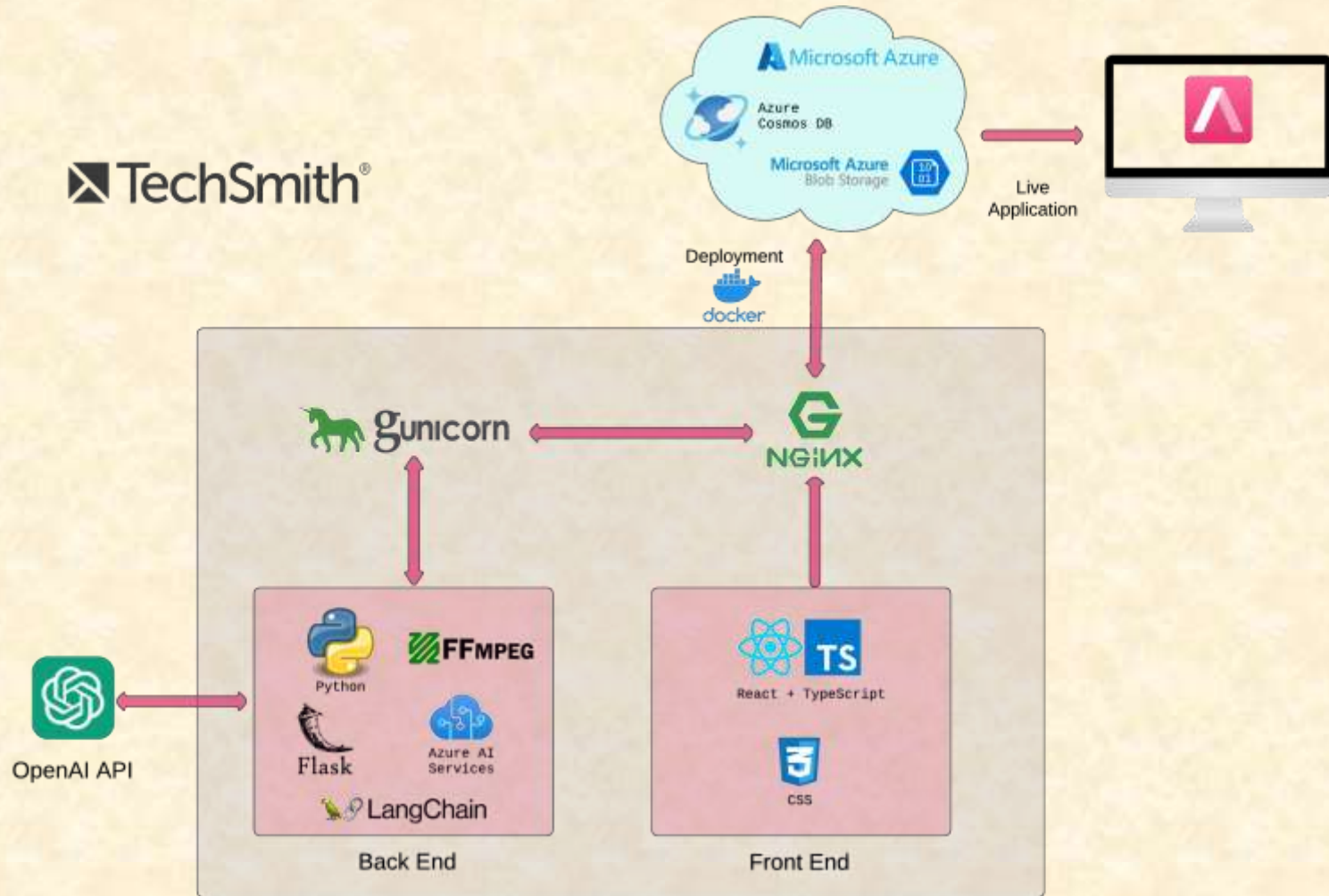
*From Students...  
...to Professionals*

# Project Overview

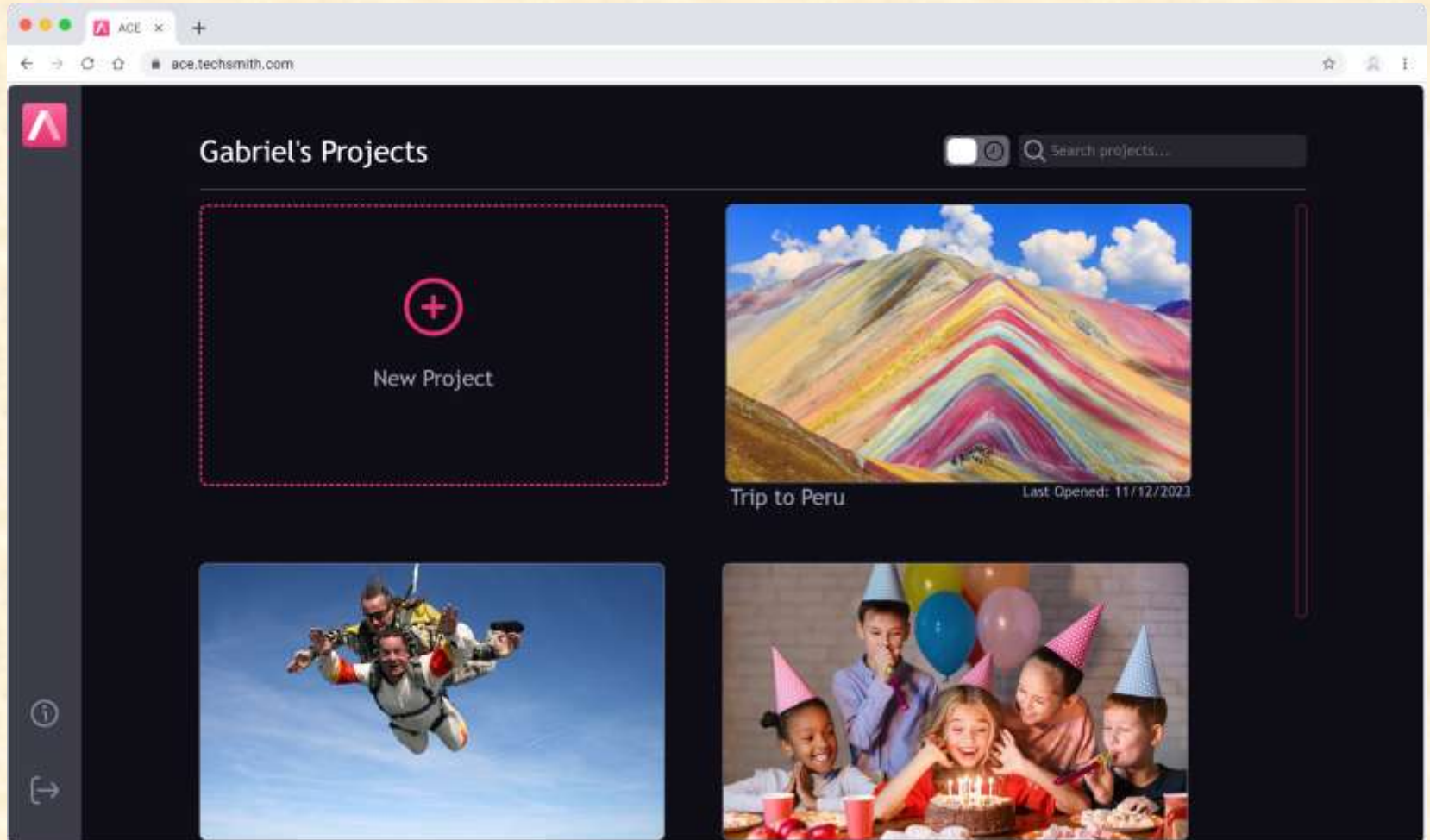
- Video editing through AI
- Users converse with chatbot to make edits
  - Only need to describe desired outcome
  - Project re-rendered after each edit
- Final video can be downloaded or edited again



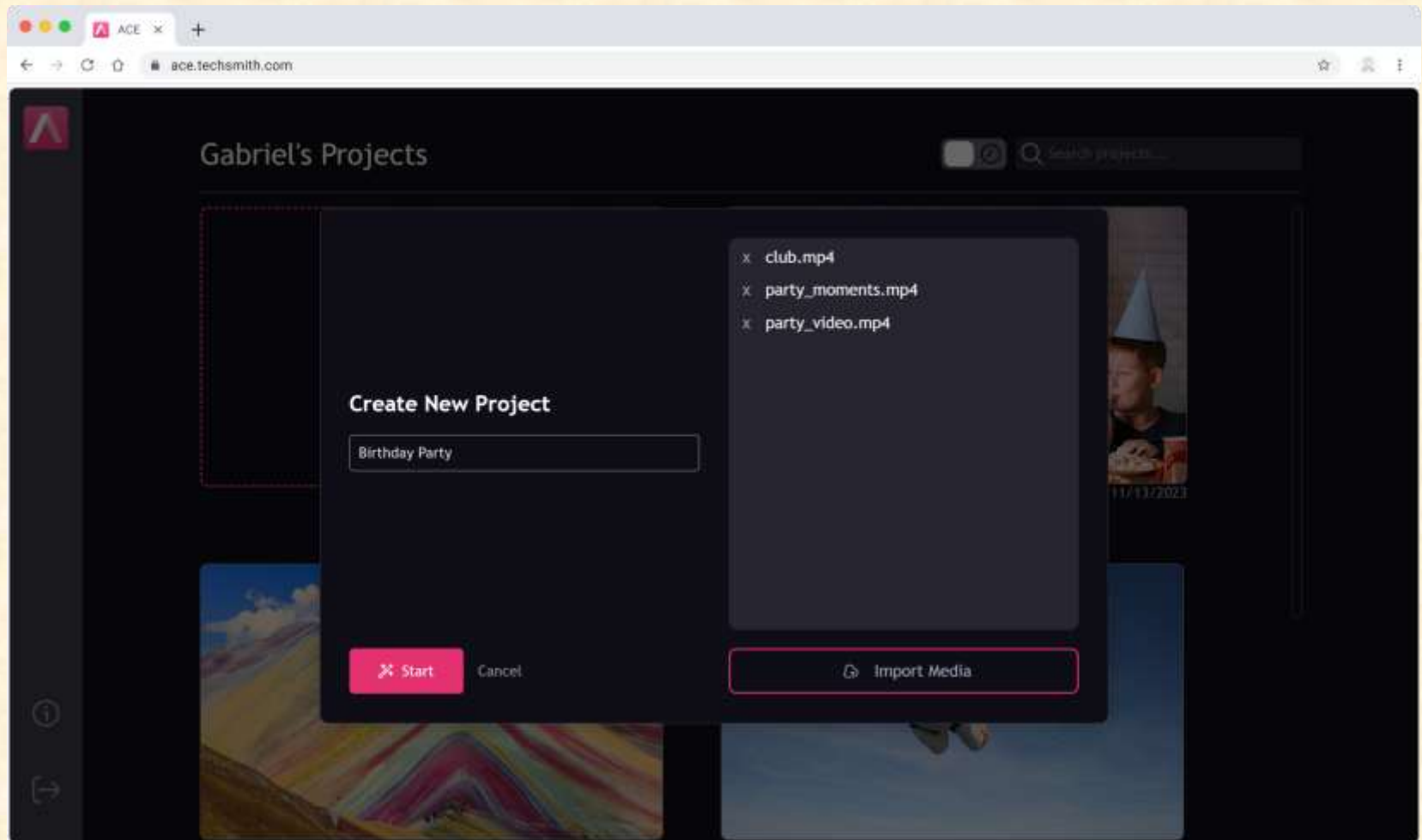
# System Architecture



# User Dashboard



# Project Creation



# Simple Edit

The screenshot displays the ACE web interface for a project titled "Birthday Party". The interface is divided into three main sections:

- Left Panel (Media Library):** Contains a search bar and categorized media assets. Under "VIDEO", there are thumbnails for "club.mp4", "party\_moments.mp4", and "party\_video.mp4". Under "IMAGES", there are "pool\_party.png" and "last\_night.png". Under "AUDIO", there is "favorite\_song.mp3". A "No files selected" message and an "Import Media" button are at the bottom.
- Center Panel (Video Player):** Shows a video player with a woman in a sequined dress at a party. The video title "Birthday Party" is at the top. An "Export" button is in the top right. A progress bar at the bottom indicates "Rendering complete, uploading video - 100%".
- Right Panel (Chat History):** A chat window with a "Delete Chat History" button at the top. The chat contains the following messages:
  - System: "Welcome to ACE! What do you want to create today?"
  - User: "Hello ACE! I have some files that I would like to share with my friends. Can you help me create a cool video with them?"
  - System: "Absolutely, I'd be happy to help you create a video! Could you please tell me what specific edits you'd like to make to your files?"
  - User: "Can you write the text 'Happy Birthday' over party\_video in the bottom-left corner. Use a white color."
  - System: "Certainly! I can add the text 'Happy Birthday' to the bottom-left corner of the video 'party\_video.mp4' in white color."A "Send a message" input field and a send button are at the bottom.



# Captioning

The screenshot displays the ACE web interface for video editing. The browser address bar shows `ace.techsmith.com/project`. The main workspace is titled "Birthday Party" and features a video player. The video shows a man speaking, with a white caption overlaid at the bottom: "And I hope San Francisco is as kind to you as you are to everyone around you." The video player includes a progress bar at 0:35 / 0:48 and standard playback controls.

On the left sidebar, there is a media library with sections for "VIDEO", "IMAGES", and "AUDIO". The "VIDEO" section contains thumbnails for `club.mp4`, `party_moments.mp4`, `party_video.mp4`, `output1.mp4`, `well_wishes.mp4`, and `output2.mp4`. The "IMAGES" section shows `pool_party.jpeg` and `last_night.jpeg`. An "Import Media" button is located at the bottom of the sidebar.

On the right, a chat window is open, showing a conversation with the ACE AI assistant. The chat history includes:

- User: "Hello ACE! I have some files that I would like to share with my friends. Can you help me create a cool video with them?"
- ACE: "Absolutely, I'd be happy to help you create a video! Could you please tell me what specific edits you'd like to make to your files?"
- User: "Can you write the text 'Happy Birthday' over party\_video in the top-left corner. Use a white color."
- ACE: "Certainly! I can add the text 'Happy Birthday' to the bottom-left corner of the video 'party\_video.mp4' in white color."
- User: "Can you please add captions to the well\_wishes video?"
- ACE: "Sure! I will add captions to the well\_wishes.mp4 video. Do you want the captions to be in the original language, or would you like them translated to another language?"
- User: "Just the original language please!"
- ACE: "Great! I will add captions in the original language to the 'well\_wishes.mp4' video."

The chat window also features a "Delete Chat History" button at the top, an "Export" button, and a "Send a message" input field at the bottom.



# What's left to do?

- Stretch Goals
  - Importing stock media
  - GPT video comprehension
  - Niche editing features
- Other Tasks
  - Enhance user-friendliness
  - Bug fixing
  - UI improvements





# Questions?

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