



# Beta Presentation

## Watcher of Attuned Video Experiences (WAVE)

### The Capstone Experience

#### Team TechSmith

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

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# Project Overview

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- Transform passive video consumption into an active viewing experience
- Tailor content to match viewer's preferences and needs
- Continuously improve the viewing experience for users



# Team Member's Technical Tasks

## Technical Tasks Assigned

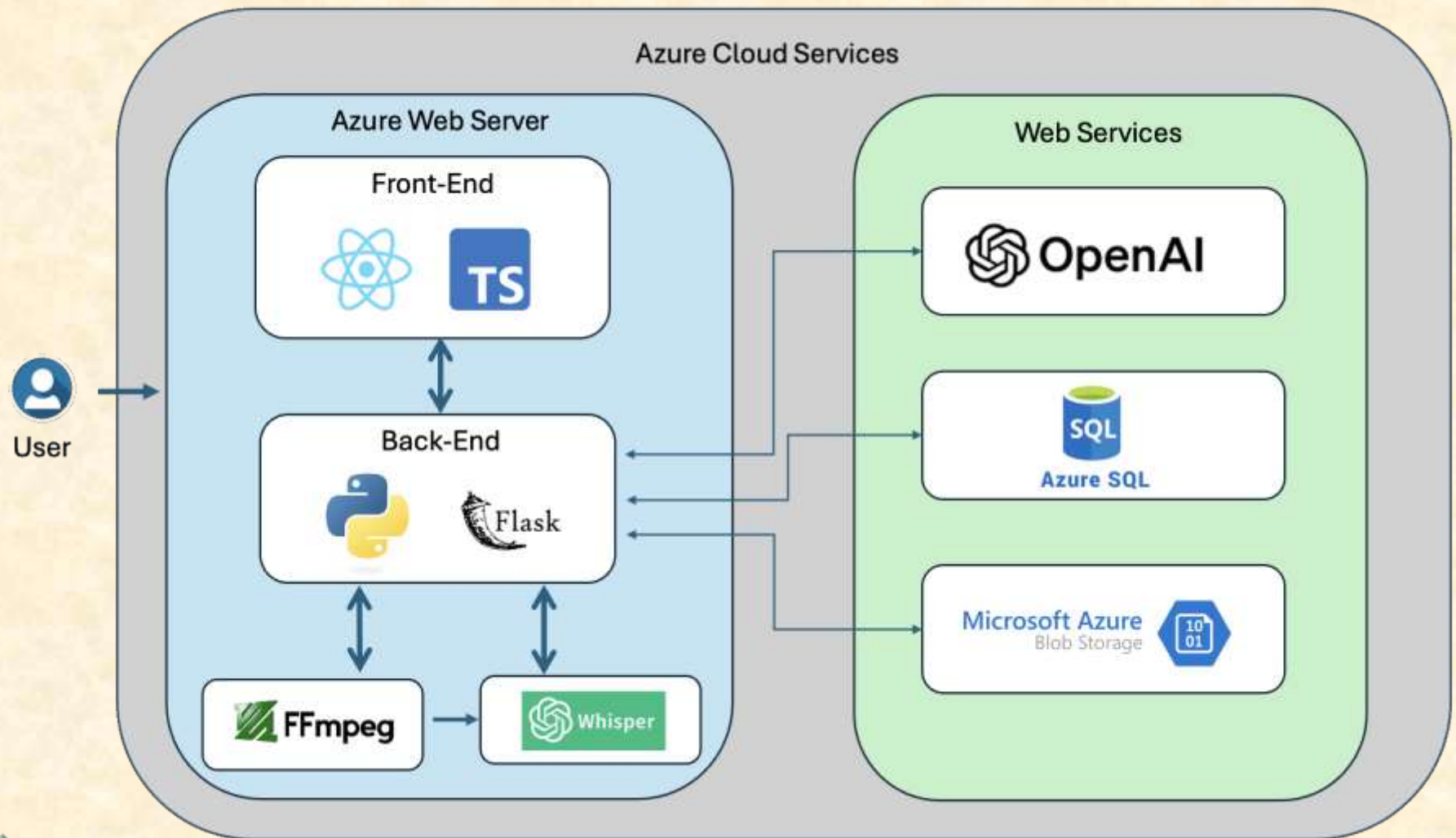
- Marcus Cohen
  - Video uploading and retrieval
  - User highlights getting video list and setting video
  - Community feedback frontend
- Shane Jose
  - Implement Whisper model & Pre-video Form (front-end)
  - Implement Interactive Buttons Functionality (front-end)
  - Implement Video playing the timestamps & Chatbot (frontend)
- Joshua Costantino
  - Selecting timestamps to play in the video
  - Implemented ChatBot backend
  - Backend for user highlights (saving and loading videos)
- Noor Muhammad
  - Storage of videos into Blob storage
  - Implement More Like This button (backend)
  - Implement enhanced Pre video edit
- Phoebe Mensah
  - Authentication and Users (frontend, backend and database)
  - User Preferences/ User Feedback (frontend, backend/ database)
  - Survey Feedback (frontend, backend and database)
- Meenakshi Menon
  - Saved Videos Displayed in User History (frontend/backend)
  - Community Feedback backend
  - View Transcript functionality for every video

## Technical Tasks Completed

- Marcus Cohen
  - Video uploading and retrieval
  - User highlights getting video list and setting video
  - Community feedback frontend
- Shane Jose
  - Implemented Whisper model & Pre-video Form (front-end)
  - Implemented Interactive Buttons Functionality (front-end)
  - Implemented video playing the timestamps & Chatbot (frontend)
- Joshua Costantino
  - Selecting timestamps to play in the video
  - Implemented ChatBot backend
  - Backend for user highlights (saving and loading videos)
- Noor Muhammad
  - Videos stored into Azure Blob categorized by user
  - More Like This functionality implemented (backend)
  - Implemented feeding all relevant data related to user and video to fetch optimal timestamps
- Phoebe Mensah
  - Authentication and Users (frontend, backend and database)
  - User Preferences/ User Feedback (frontend, backend/ database)
  - Survey Feedback (frontend, backend and database)
- Meenakshi Menon
  - Saved Videos Displayed in User History (frontend/backend)
  - Community Feedback backend
  - View Transcript functionality for every video



# System Architecture



# Pre-Video Form

The screenshot displays a web application interface. At the top, a navigation bar includes a 'WAVE' logo, a play button icon, and links for 'Home', 'User Profile', 'User Highlights', and 'Log Out'. The main content area features a video player on the left with a colorful, abstract graphic and a timestamp of 0:00 / 6:30. Below the video player are buttons for 'I Like This', 'More like this', 'This is Confusing', 'This is Boring', and 'View Transcript'. A central modal form titled 'Ride the Wave: Tell Us What You Need' contains the following questions and inputs:

- What video length do you prefer?
- What is your goal for watching the video?
- Are there any specific parts of the video to focus on?
- What prior knowledge do you have about the topics discussed in this video?

A blue 'Submit' button is located at the bottom of the form. To the right of the form is a 'ChatAI' section with the text 'How can I help you today?' and a text input field with a 'Send' button. At the bottom of the page, there is a 'quiz' button, a 'Choose File' button, and a file name 'How-Internet-Works.mp4'.



# Interaction with Video Player

The screenshot displays a web application interface. At the top, a navigation bar includes a 'Welcome to' message with a play button icon, and links for 'Home', 'User Profile', 'User Highlights', and 'Log Out'. The main content area features a video player on the left and a 'ChatAI' chatbot on the right. The video player shows a cartoon of a person at a computer with the text 'Imagine you and your friend' at the bottom. Below the video are buttons for 'I Like This', 'More like this', 'This is Confusing', 'Skip To Next Segment', 'This is Boring', and 'View Transcript'. At the bottom left is a 'quiz' button and a 'Choose File' button with 'No file chosen' text. The chatbot on the right is titled 'ChatAI' and asks 'How can I help you today?'. It shows a user input 'what's tcp?' and a response explaining TCP (Transmission Control Protocol). At the bottom of the chatbot is a text input field with the placeholder 'in you write a 200 word essay based on this video' and a 'Send' button.

WAVE

wave-eed7f4gdg3bff9ez.canadacentral-01.azurewebsites.net

Welcome to

Home User Profile User Highlights Log Out

1:51 / 6:30

Imagine you and your friend

I Like This More like this This is Confusing Skip To Next Segment

This is Boring

View Transcript

quiz

Choose File No file chosen

ChatAI

How can I help you today?

what's tcp?

TCP, or Transmission Control Protocol, is a set of rules or protocols designed for the internet to help data move efficiently and reliably between devices. In the video, Dr. Pineaux explains that TCP ensures that data packets are delivered correctly from one network device to another. It works behind the scenes to ensure that messages or files you send via the internet are transmitted in the best possible way without any issues. Think of it as a set of traffic rules for the internet that ensures everything gets to its destination safely and in order!

in you write a 200 word essay based on this video

Send



# User Preferences

Wave

wave-eed7f4gdg3bff9ez.canadacentral-01.azurewebsites.net

Welcome to WAVE

Home User Profile User Highlights Log Out

## User Preferences

Age: 21 Profession: Student

Describe Yourself (Choose Interests, Hobbies, etc.):

Acting American Football Animal Care Aquariums Archery Art

Astronomy Baking Baseball Basketball Beer Brewing Bicycles

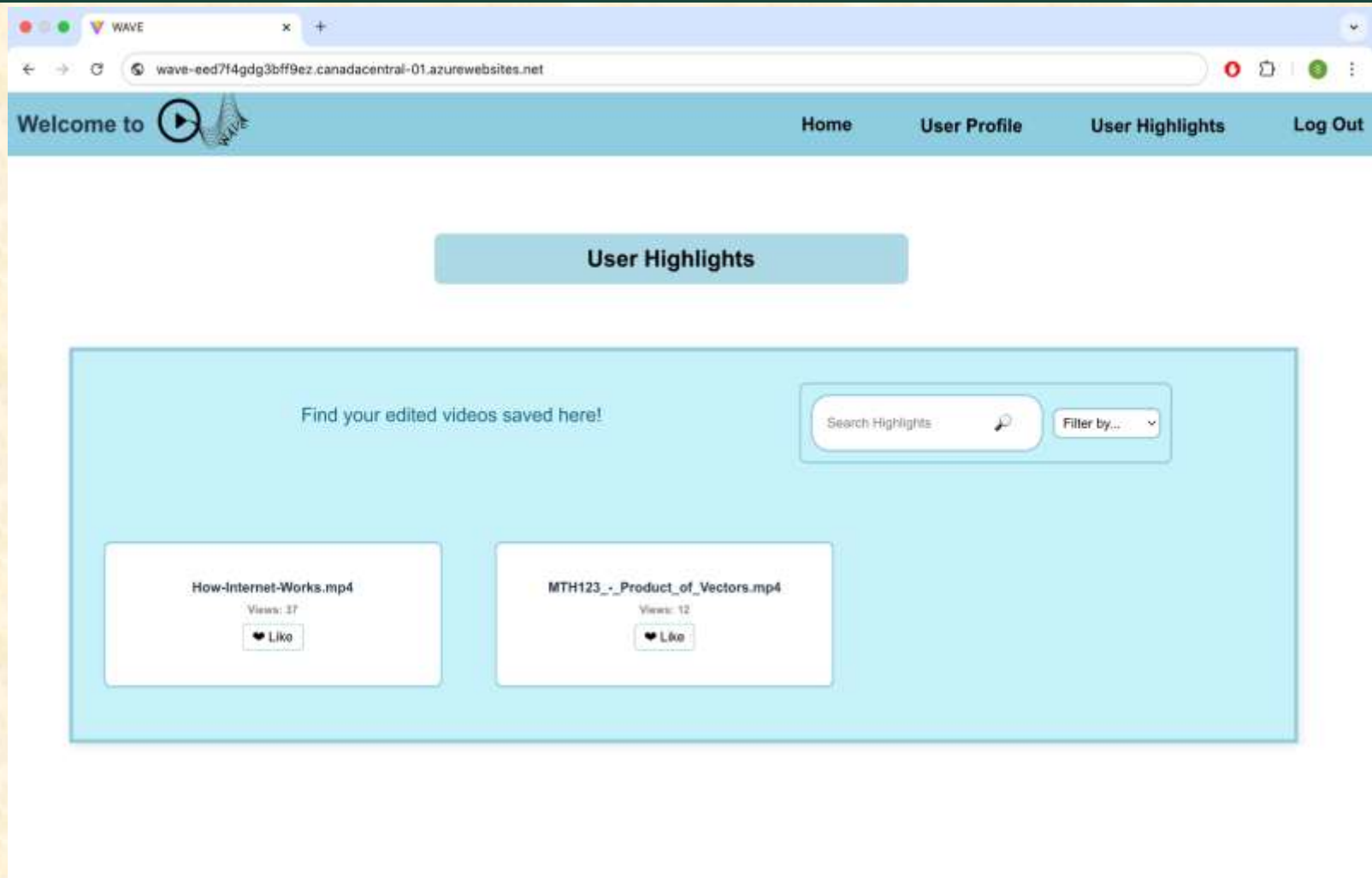
Bird Watching Board Games Business Camping Card Games Cars

Submit

[Why we ask for this info?](#)



# User Highlights



# What's left to do?

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- Other Tasks
  - Bug fixing
  - UI adjustments
  - ChatGPT prompt improvements

# Questions?

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