MICHIGAN STATE UNIVERSITY

Alpha Presentation Twitch Comment Rankings and Smart Ads

The Capstone Experience

Team Amazon

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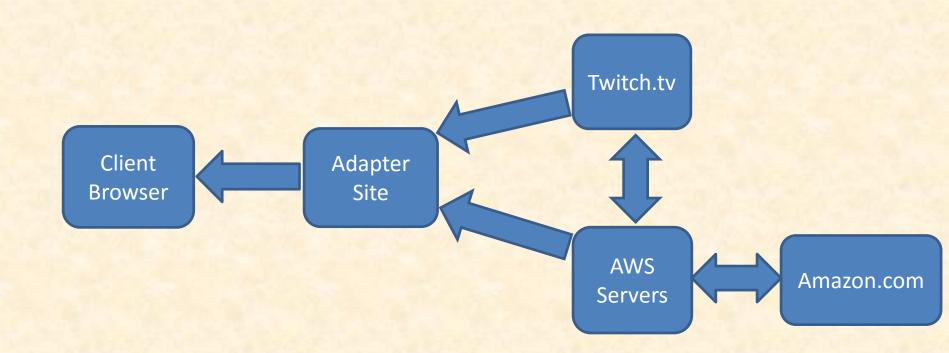
Spring 2016



Project Overview

- Objectives
 - Increase chat usage and interactivity
 - Present unique ads that viewers will appreciate
- Comment Rankings
 - Comment rank determined by votes and frequency
 - High-ranking comments displayed statically
- Smart Ads
 - Identify products mentioned in chat and on stream
 - Advertise link to products on amazon.com

System Architecture

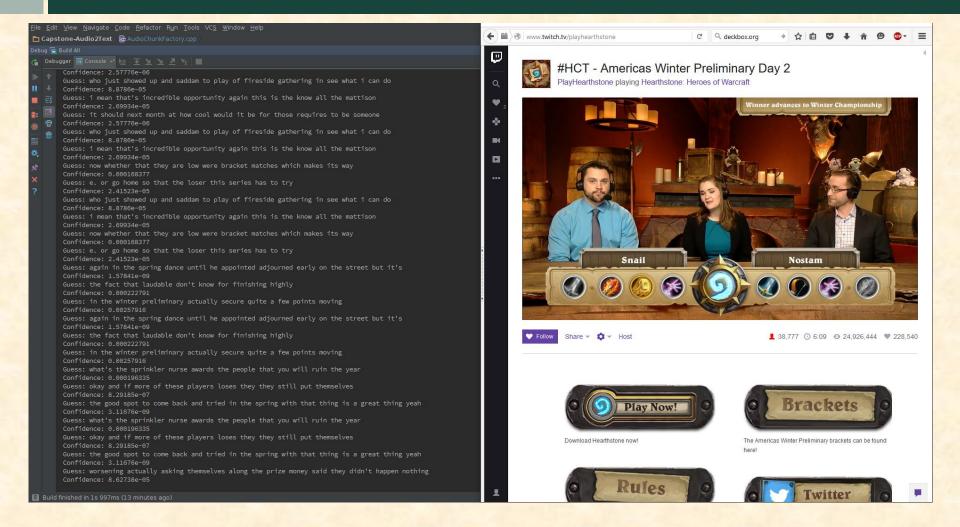


Chat Ranking Algorithm Simulation

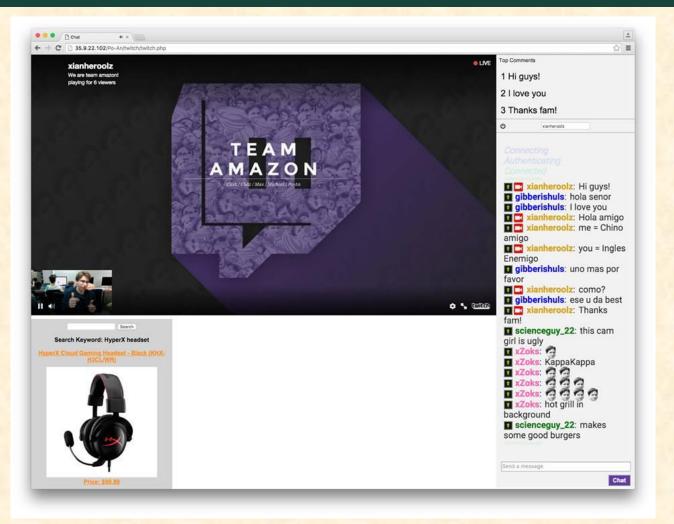
```
C:\WINDOWS\system32\cmd.exe
                                                                 X
FeelsGoodMan
FeelsWeirdMan Keepo
***** Featured Advertisements *****
85: Ad Title 14 selling for $14
84: Ad Title 17 selling for $17
49: Ad Title 4 selling for $4
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@Shadowyne, HONEY <3
****** Featured Comments ******
95: Get rekt cowGasm
91: 33 cows song
81: donations FeelsBadMan
give him so rent money guys cowll
jax backdooring
Ocowsep thedamnedsoul
222
Me cowsep FeelsBadMan
```



Stream Audio Transcription



User Interface



What's left to do?

- Complete ad relevance/selection algorithm
- Connect ranking algorithm with comments database
- Increasing transcription accuracy
- Improvements to voting GUI and functionality
- Testing