StarCraft II and GameHeart Evolving eSports Interfaces with Modders

Ryan Schutter Team GameHeart

Philip Tan MIT Game Lab

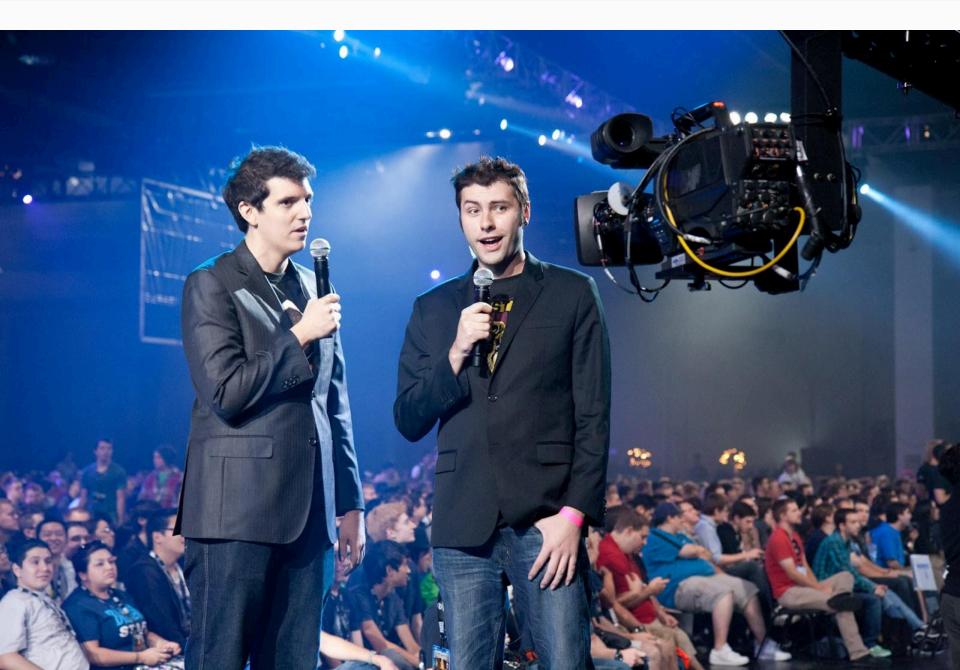
Jordan Womack Blizzard Entertainment



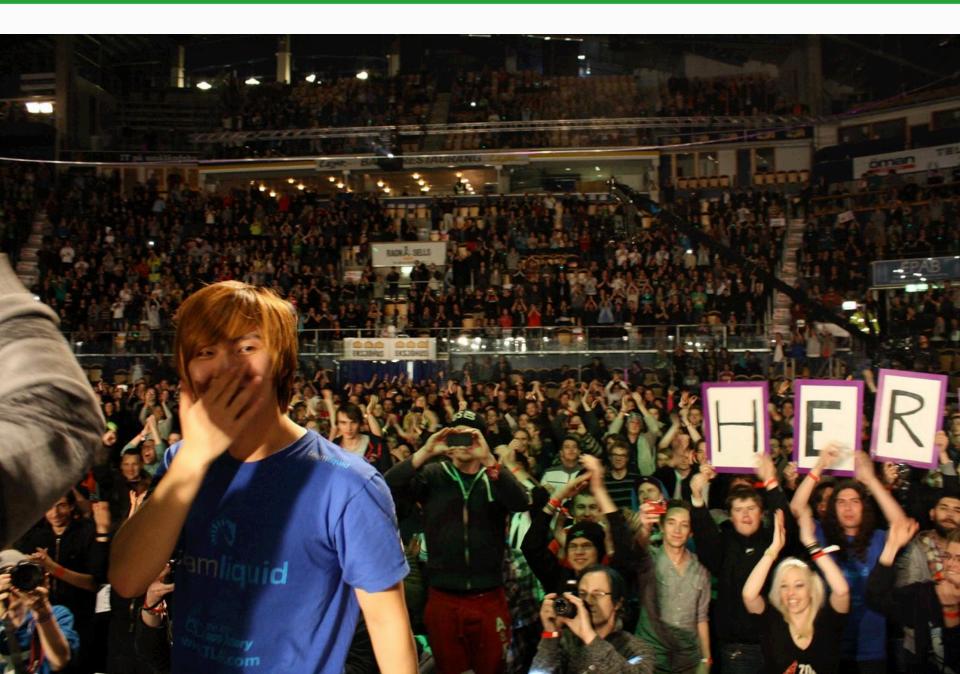
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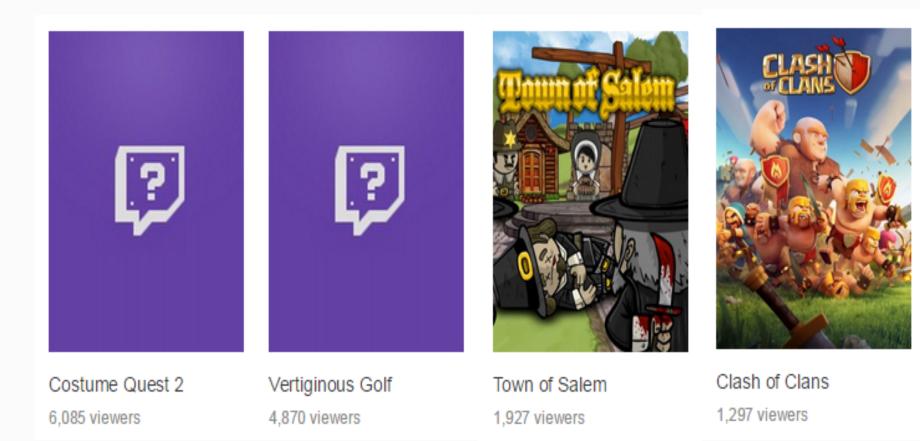
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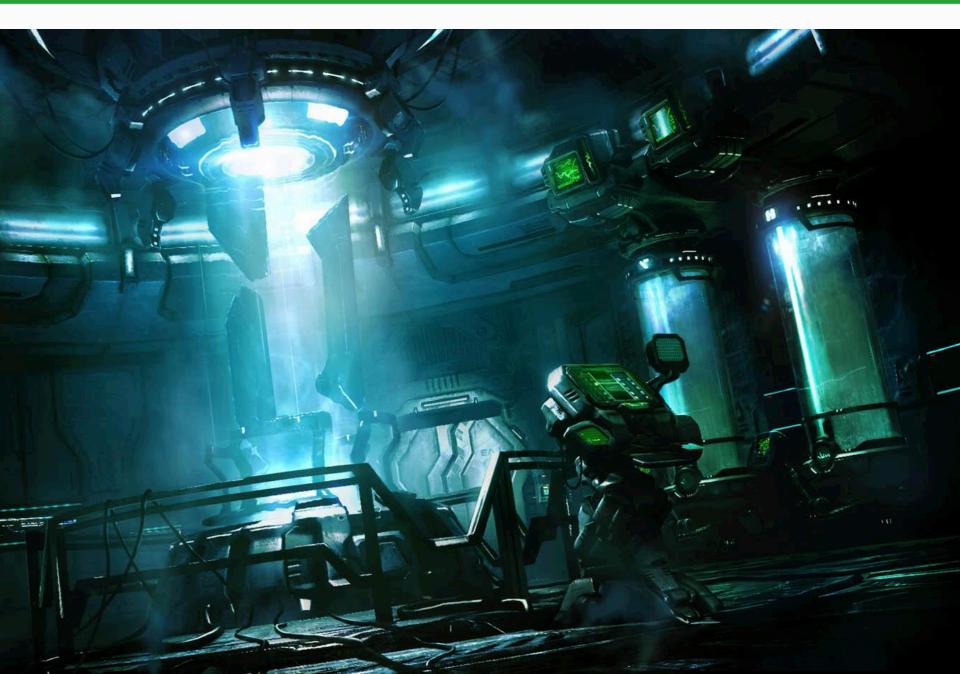












Your Speakers

Jordan Womack

Producer, StarCraft II & Heroes of the Storm

Ryan Schutter

Lead Developer, GameHeart @rtschutter

Philip Tan

Research Scientist, MIT Game Lab @djphiliptan

'Native' form of watching a game





Broadcast experience



Impact of crafted experience

Giving tools to the community

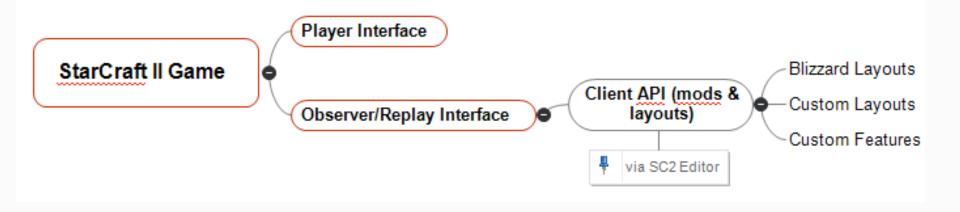
How it works for StarCraft II

Guidelines behind our feature set

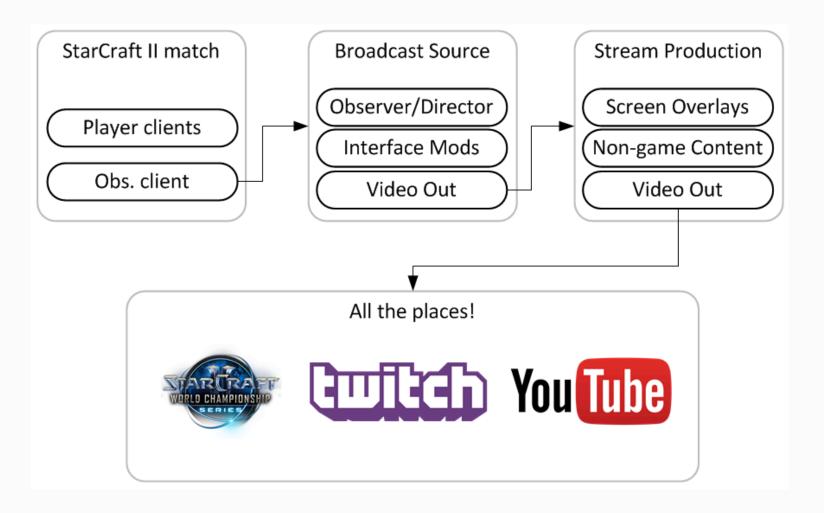


StarCraft II custom interface

Mods as "API" for the observer interface



How a broadcast is made



Keep the competition pure

No possible cheating or *perceived* advantage

Ensure stability



Community drives the content

People on the ground know what they need

Community can take more risks

They are legion!



Taking the long view

Eternal leapfrog

Absorb proven features

(gg Blizz, took you long enough)



Recap

How StarCraft II customization works

- Mods as "API" for interface
- Broadcast is many layers from game to stream

Key ideas for StarCraft II

- Keep competition pure & reliable
- Community drives the content
- Neverending tech leapfrog
- Absorbing proven features



GAMEHEART

eSports Productions





HotS broadcasting (Q3 2013)



Early GameHeart User Interface

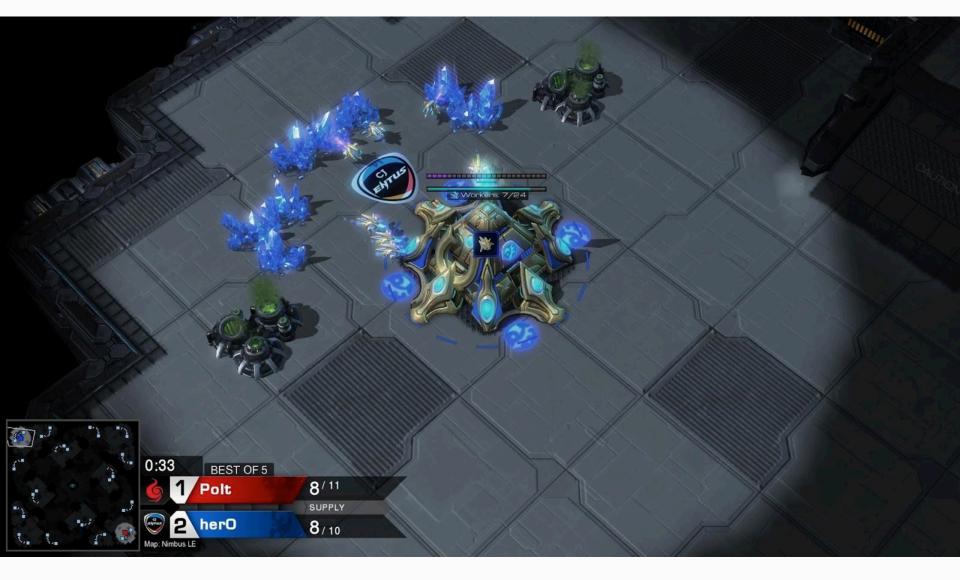




GameHeart UI Example



WCS UI Example



WCS UI Modules



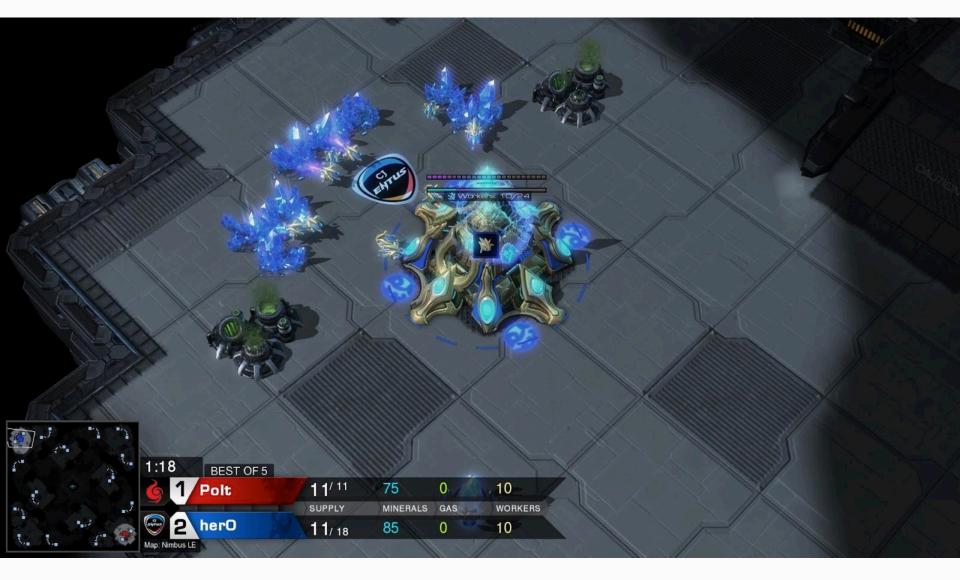
WCS UI Modules



Zoom



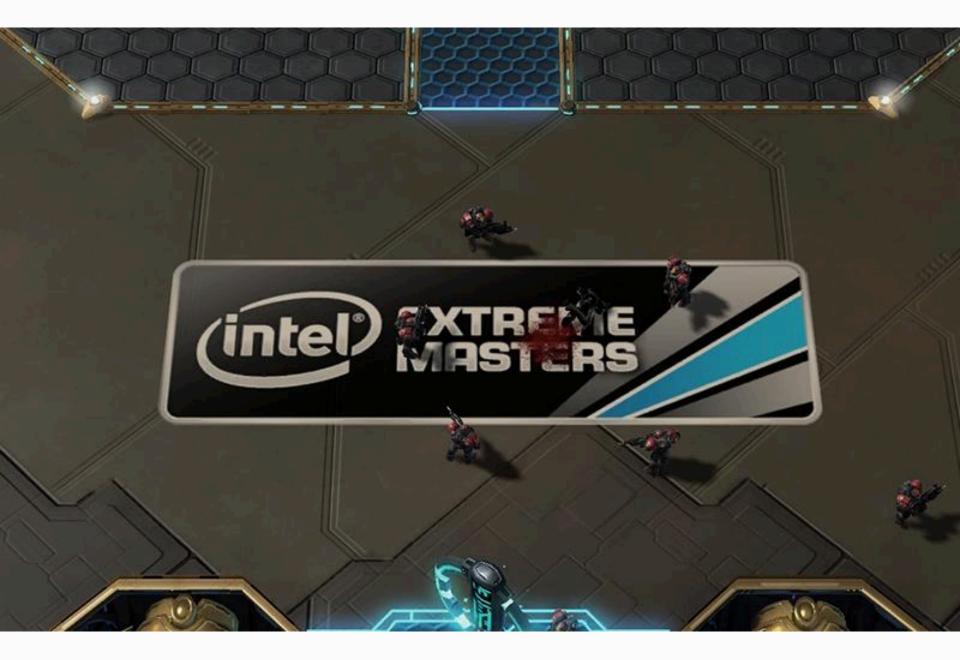
Zoom

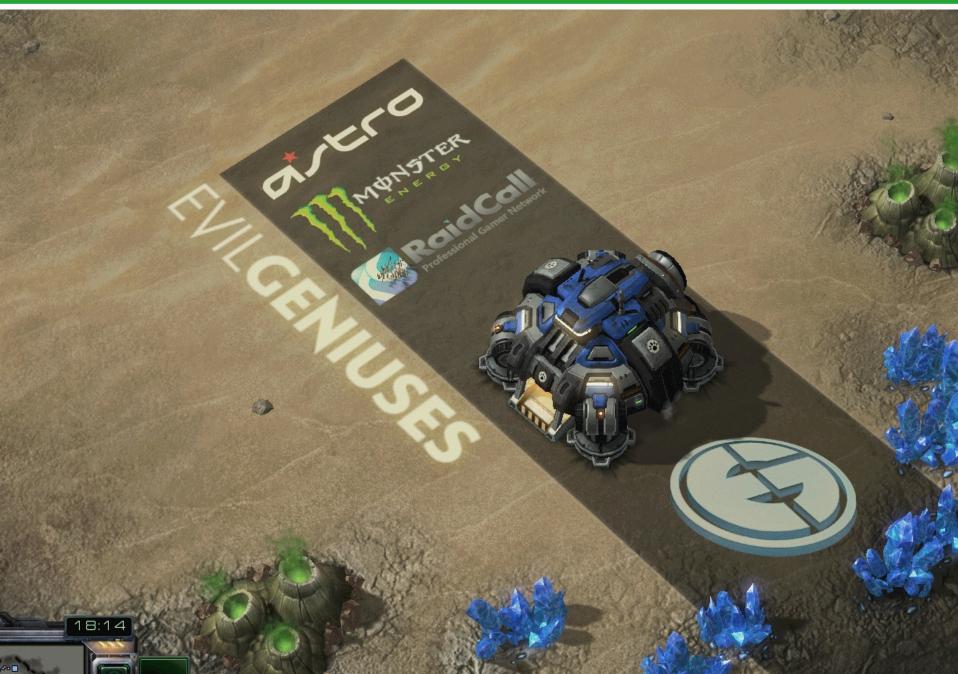


Stronger Team Colors









Production icons in game world





Upgrade notifications



Workers killed notifications



Map notifications



Community response



MIT GAME LAB

최연성 / Terran

73천 57승 16분 78.0% VS [T] 27승 11태 71.0% VS [Z] 14승 2패 87.5% VS [P] 16승 3패 84.2% SKT T1

iloveoov





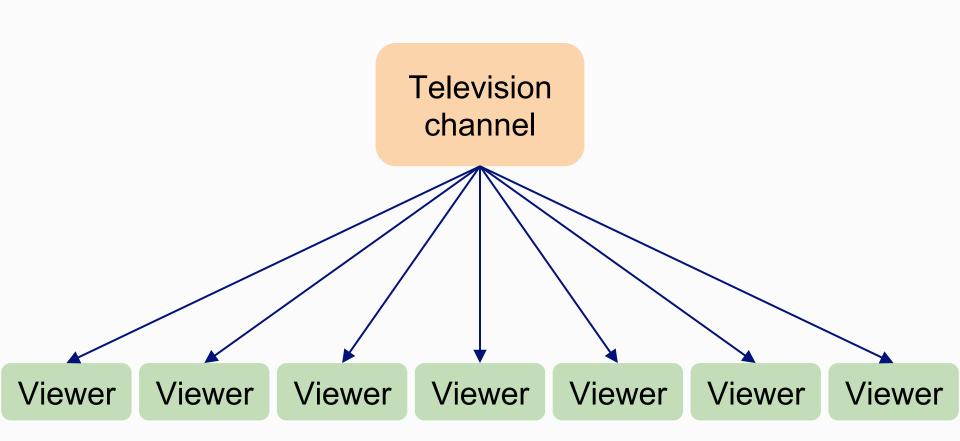
WoL broadcasting (Q2 2011)



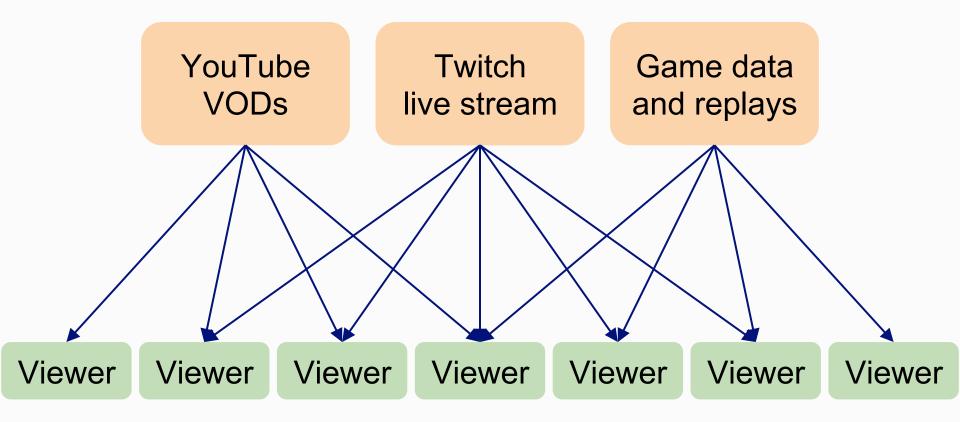
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Television broadcasting

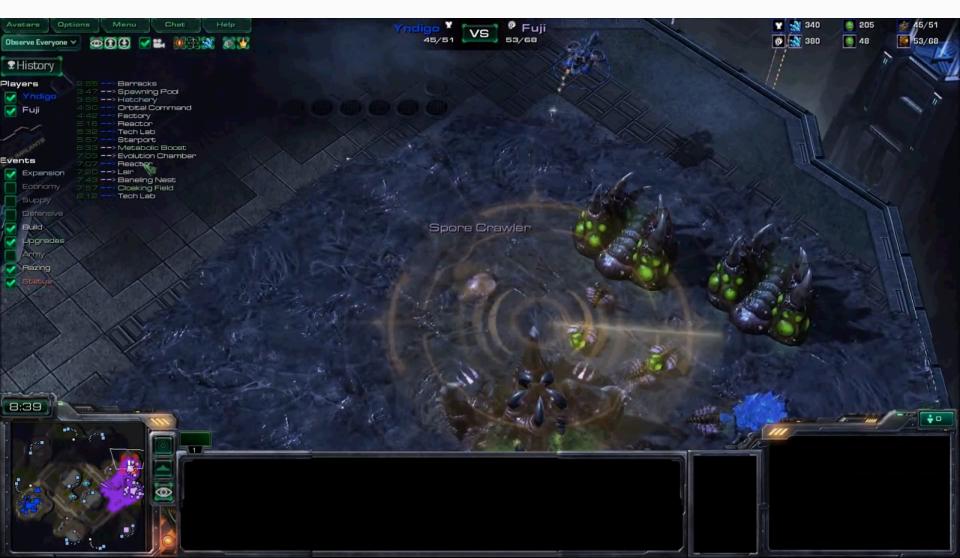


Internet video



Peepmode (Q2 2011)

Justin Craig-Kuhn



NOVEMBER 3-4, 2014 GAME DEVELOPERS CONFERENCE' NEXT 2014











BATTING Swisher 1B 276 AVG 0-for-0

ON DECK Cano 2B

0-for-0

.308 AVG

IN HOLE Jones, An RF 206 AVG 0-for-0

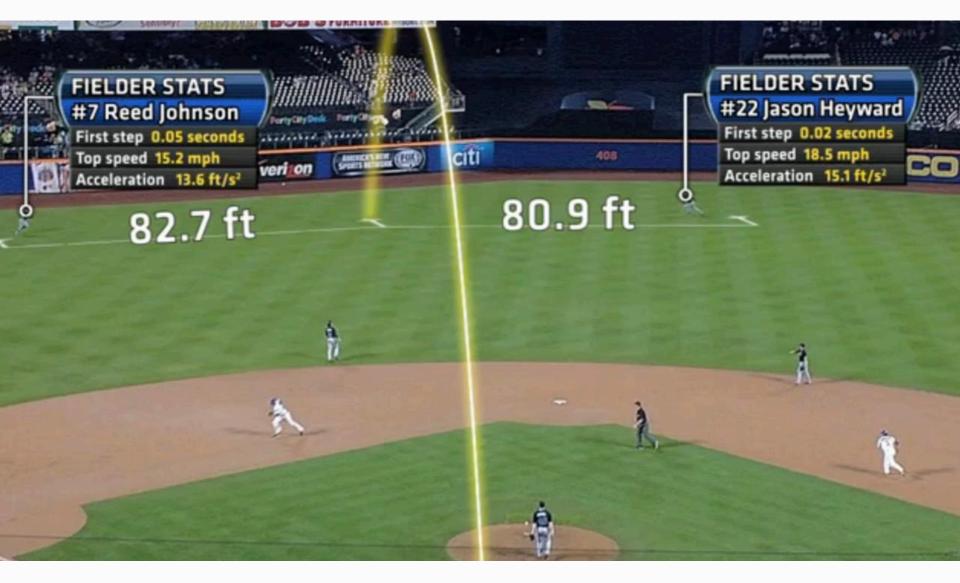
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GameHeart (Q3 2012)



Maintain focus on the game



SC2 Proleague (Q2 2013)



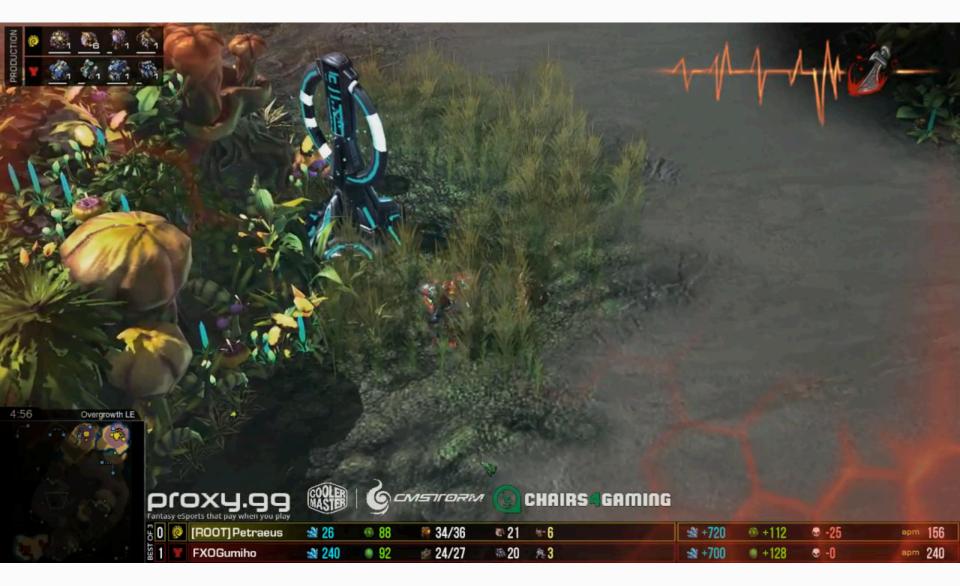
Team logos, colors & sponsors

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Tournament animation



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MIT Overseer (Q3 2013)

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Timely information



Takeaways

Balance aesthetics and compression
Illustrate invisible concepts of good play
Tell the story of the moment
Support commentator style
Build the hype!

The big takeaway

Look at and talk to your mod community if you're trying to improve the spectator experience of your game.

They know what they want to see!

Thank you!

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Jordan Womack Blizzard Entertainment JWomack@Blizzard.com



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