



Interacting with 8-bit

Jared O'Leary
Arizona State University
Paradise Valley Community College

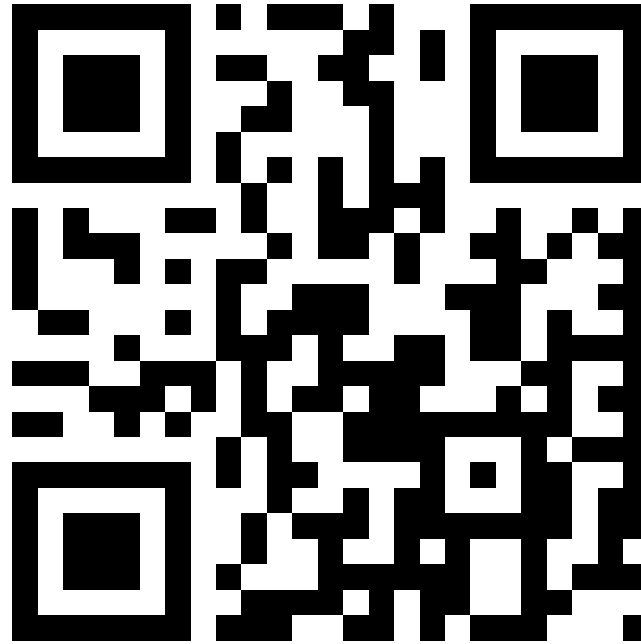


What's the plan?

- ▶ Jumping in
- ▶ What is 8-bit?
- ▶ Let's play!
- ▶ Let's create!
- ▶ Let's share!
- ▶ Let's talk!
- ▶ Potential Projects
- ▶ Further discussion and questions

How to reach the resources

- ▶ www.JaredOLeary.com
 - ▶ Music Education Presentations
 - ▶ Interacting with 8-bit





Jumping in

Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Jumping in: Super Mario Bros (NES)

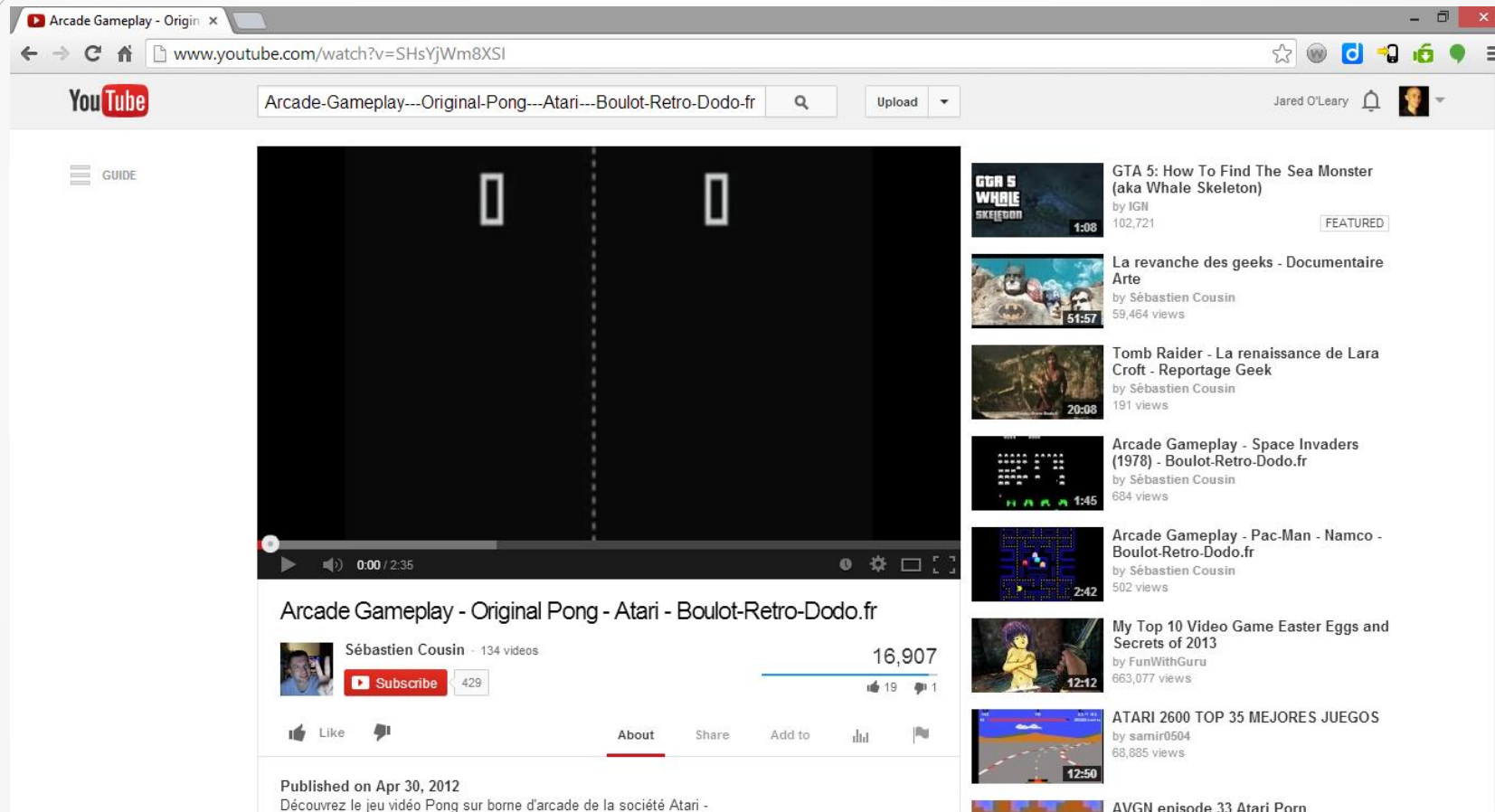
The screenshot shows a YouTube video player for the video "Super Mario Bros. (NES): Level 1-1". The video player is centered and shows the title screen of the game. The title screen has a purple background with the text "MARIO 000000", "WORLD 1-1", "TIME", "1 PLAYER GAME", "2 PLAYER GAME", and "TOP- 000000". Below the video player, the video title "Super Mario Bros. (NES): Level 1-1" is displayed, along with the channel name "Nintendo News" and a subscriber count of 437. The video has 508,614 views and 66 comments. The video was uploaded on May 30, 2008. To the right of the video player, there is a list of suggested videos, including "Super Mario Bros. (NES): Level 1-2", "South Park: The Stick of Truth: It's Actually Coming Out, and It Looks Great", "Super Mario Bros. - 600 points, no deaths", "(Left 4 Dead) Super Mario Bros. (World 1-1) v0.2", "New Super Mario Bros. DS - All 19 Boss Fights (Tower & Castle Bosses) Ending &", "Super Mario Bros 3 NES Complete Game!!!", and "Bowser's Mushroom Factory".

Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)



What is 8-bit?

An intro to 8-bit: Pong (Atari)



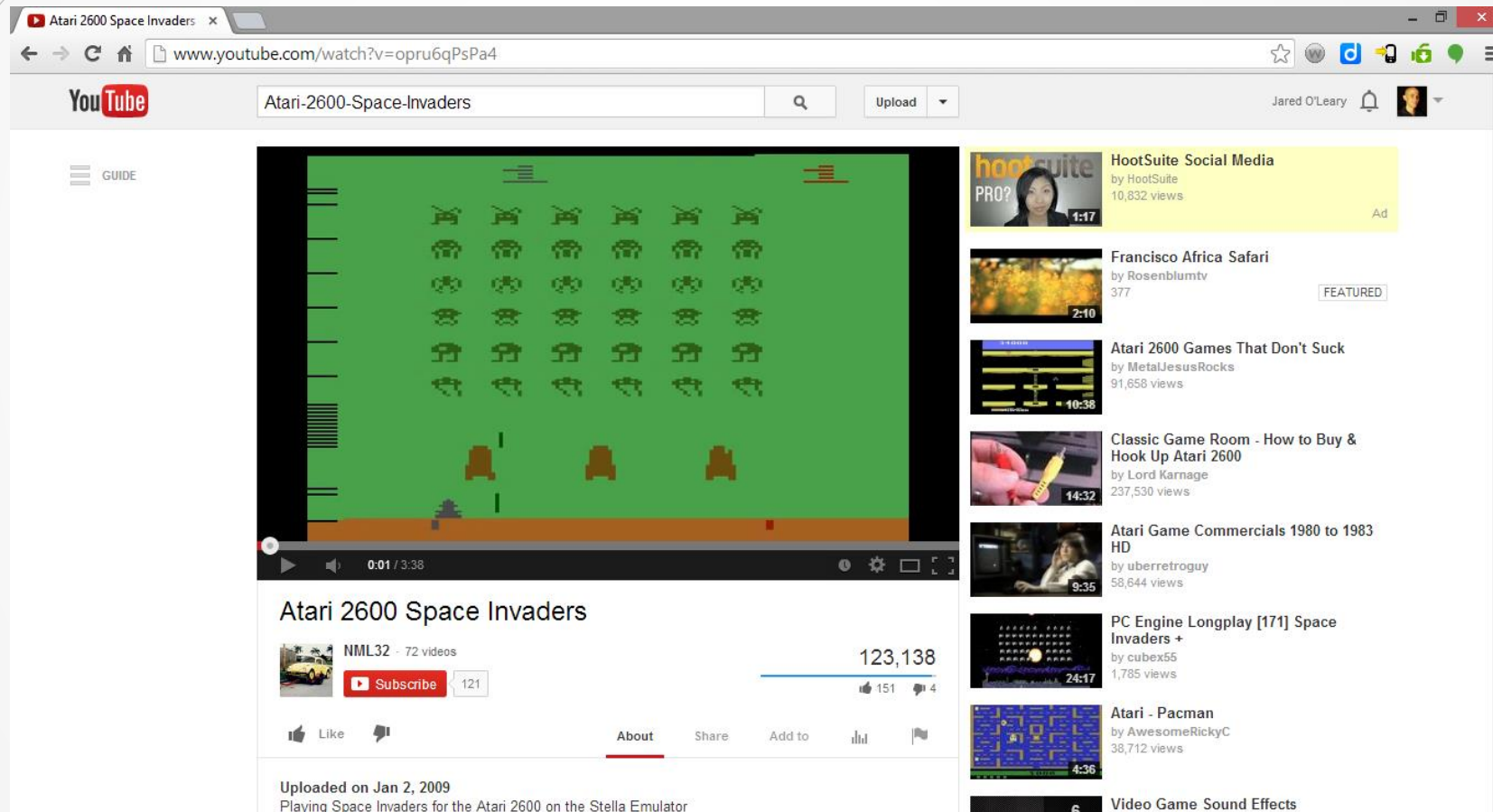
The screenshot shows a YouTube video player interface. The video title is "Arcade Gameplay - Original Pong - Atari - Boulot-Retro-Dodo.fr". The video is by Sébastien Cousin, who has 134 videos and 429 subscribers. The video has 16,907 views and 19 likes. The video player shows a black screen with two white vertical bars representing paddles and a dashed vertical line representing the ball's path. The video is published on Apr 30, 2012, and the description reads: "Découvrez le jeu vidéo Pong sur borne d'arcade de la société Atari -".

Recommended videos on the right side of the player:

- GTA 5: How To Find The Sea Monster (aka Whale Skeleton) by IGN, 102,721 views, FEATURED
- La revanche des geeks - Documentaire Arte by Sébastien Cousin, 59,464 views
- Tomb Raider - La renaissance de Lara Croft - Reportage Geek by Sébastien Cousin, 191 views
- Arcade Gameplay - Space Invaders (1978) - Boulot-Retro-Dodo.fr by Sébastien Cousin, 684 views
- Arcade Gameplay - Pac-Man - Namco - Boulot-Retro-Dodo.fr by Sébastien Cousin, 502 views
- My Top 10 Video Game Easter Eggs and Secrets of 2013 by FunWithGuru, 663,077 views
- ATARI 2600 TOP 35 MEJORES JUEGOS by samir0504, 68,885 views
- AVGN episode 33 Atari Porn

Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

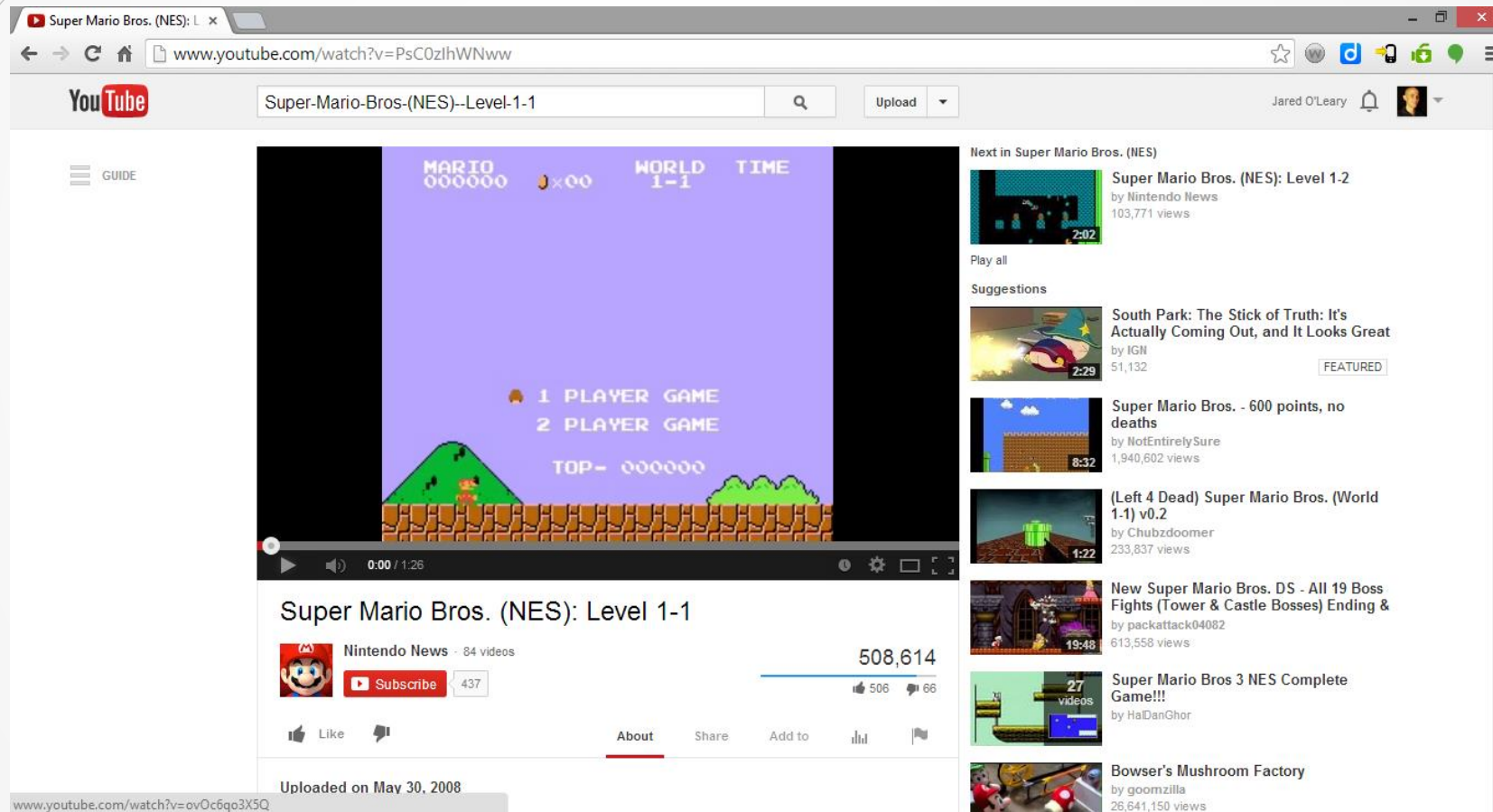
An intro to 8-bit: Space Invaders (Atari 2600)



The image shows a screenshot of a YouTube video player. The video is titled "Atari 2600 Space Invaders" and is currently at the 0:01 mark of a 3:38 duration. The video content shows the classic Space Invaders game in progress on a green background. The player's name is NML32, with 72 videos and 121 subscribers. The video has 123,138 views, 151 likes, and 4 dislikes. The upload date is Jan 2, 2009, and it is noted as being played on the Stella Emulator. To the right of the video player, there is a list of recommended videos, including "HootSuite Social Media", "Francisco Africa Safari", "Atari 2600 Games That Don't Suck", "Classic Game Room - How to Buy & Hook Up Atari 2600", "Atari Game Commercials 1980 to 1983 HD", "PC Engine Longplay [171] Space Invaders +", "Atari - Pacman", and "Video Game Sound Effects".

Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

An intro to 8-bit: Super Mario Bros (NES)



The screenshot shows a YouTube video player displaying the title screen of Super Mario Bros (NES) Level 1-1. The video player interface includes a search bar with the text "Super-Mario-Bros-(NES)--Level-1-1", a play button, and a progress bar at 0:00 / 1:26. The video content shows the title screen with the text "MARIO 000000", "WORLD 1-1", "TIME", "1 PLAYER GAME", "2 PLAYER GAME", and "TOP- 000000". The video is by Nintendo News, has 508,614 views, and was uploaded on May 30, 2008. The channel has 437 subscribers. The video player also shows a "GUIDE" button and a "Next in Super Mario Bros. (NES)" section with several suggested videos.

Super Mario Bros. (NES): Level 1-1

Nintendo News · 84 videos · 508,614 views

Subscribe · 437

Like · About · Share · Add to

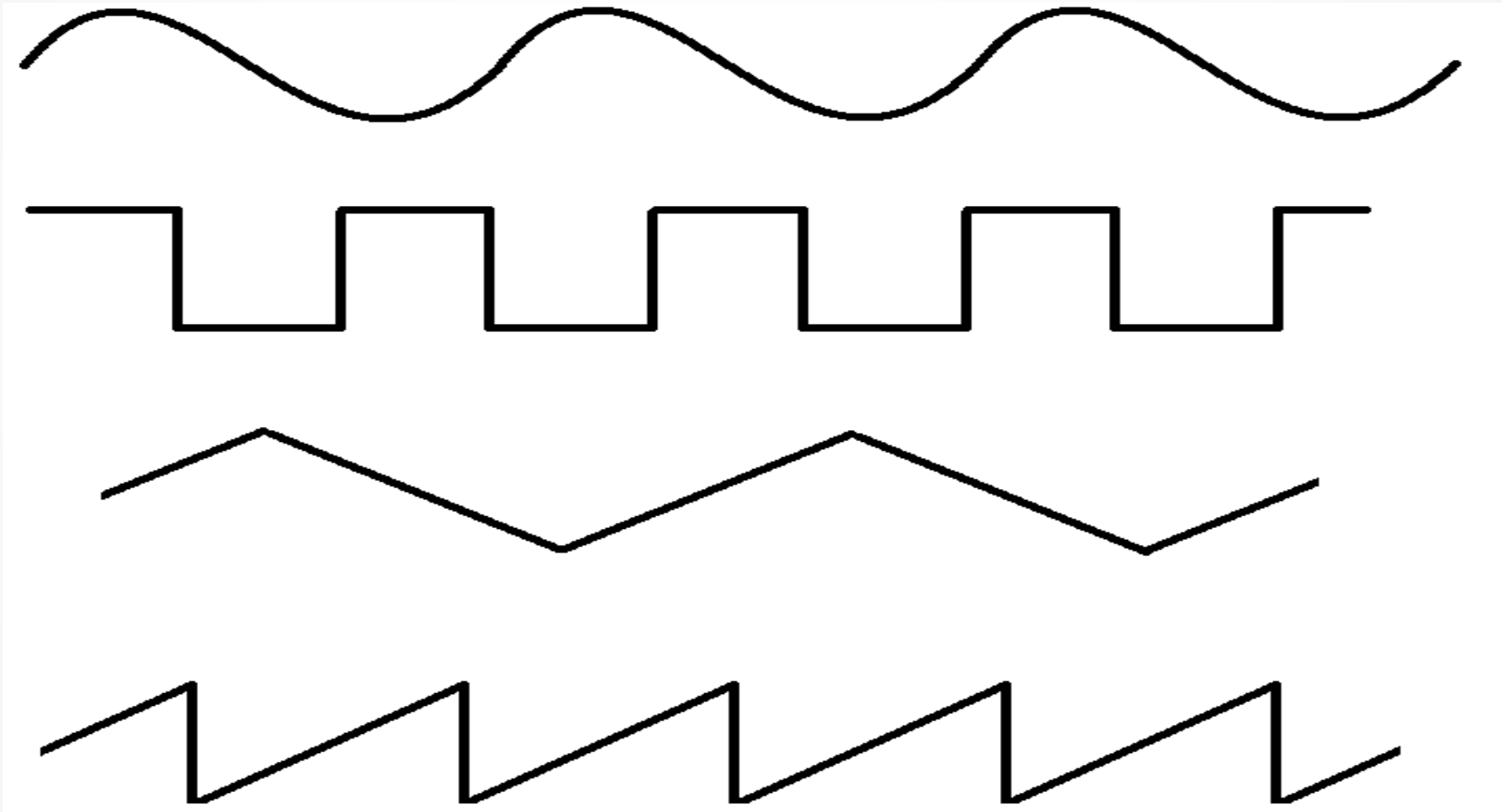
Uploaded on May 30, 2008

Next in Super Mario Bros. (NES)

- Super Mario Bros. (NES): Level 1-2 by Nintendo News, 103,771 views, 2:02
- South Park: The Stick of Truth: It's Actually Coming Out, and It Looks Great by IGN, 51,132 views, 2:29
- Super Mario Bros. - 600 points, no deaths by NotEntirelySure, 1,940,602 views, 8:32
- (Left 4 Dead) Super Mario Bros. (World 1-1) v0.2 by Chubzdoomer, 233,837 views, 1:22
- New Super Mario Bros. DS - All 19 Boss Fights (Tower & Castle Bosses) Ending & by packattack04082, 613,558 views, 19:48
- Super Mario Bros 3 NES Complete Game!!! by HalDanGhor, 27 videos
- Bowser's Mushroom Factory by goomzilla, 26,641,150 views

Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Wave forms in 8-bit



Pixel art

piq - create your own pixel art - Google Chrome

piq.codeus.net

producing pixel art at 16.25008 pixels per second

select your language: [Flags]

draw gallery contest forum learn more sign in

CRM: THE OFFICIAL SITE

See why more than 2 million users love Salesforce CRM. Try it free!

create and share pixel art

try piq today!

feedback

Pixel Art Software Tutorial: piq [Intro]

piq is a free online app for creating pixel art. It's fun, easy to use, and it's simple to get started - even if you've never made pixel art before! You'll also find:

- an active, social community
- a growing gallery with over 25000 free to use pictures
- a friendly pixel art forum
- weekly contests to win
- over 50 achievements to earn

draw sign up

what's going on now

Pikalink5 posted Post: "[quote] [b]Ae...", Post: "[quote] [b]da..."

22 July 15:25:13

dafunkyemo posted Post: "to furry from...", Post: "[quote] [b]Ae...", Post: "[quote] [b]Pi...", Post: "[quote] [b]Fu..."

22 July 15:24:59

Aetherpix posted Post: "[quote] [b]Ae...", Post: "[quote] [b]Pi...", Post: "[quote] [b]Fu...", Post: "[quote] [b]da..."

22 July 15:24:40

gendou_kun drew

22 July 15:22:36

Aetherpix: we could probably chat tho

22 July 15:21:59

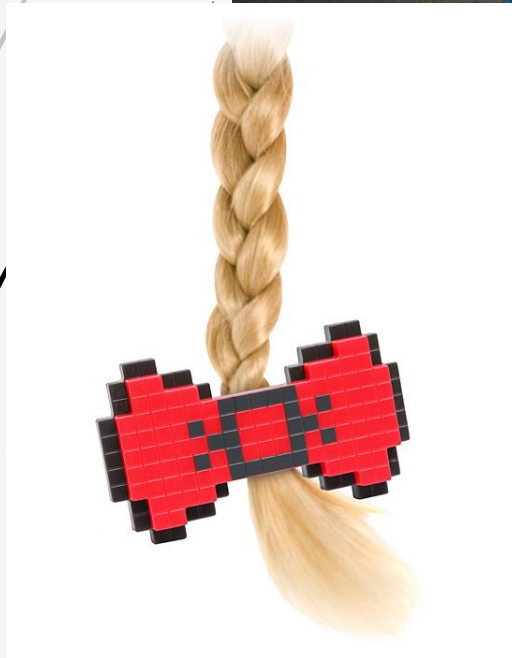
mario fan47 commented on Farz's shoutbox, Aetherpix's shoutbox

22 July 15:21:45

Aetherpix: my google hangouts

recent piqs of the day

Is 8-bit relevant?



<http://www.GeekFeed.info>



Let's play!



Let's create!



Let's share!



Let's talk!



What just happened?

- ▶ What aspects of music did we explore?
- ▶ How does the 8-bit aesthetic shape the musical decisions we explored?
- ▶ How could we interact with sound in video games?
- ▶ What unique musical experiences do video games provide?
- ▶ What aspects of music could we explore in projects relating to 8-bit video games?



Why 8-bit and not any MIDI data?

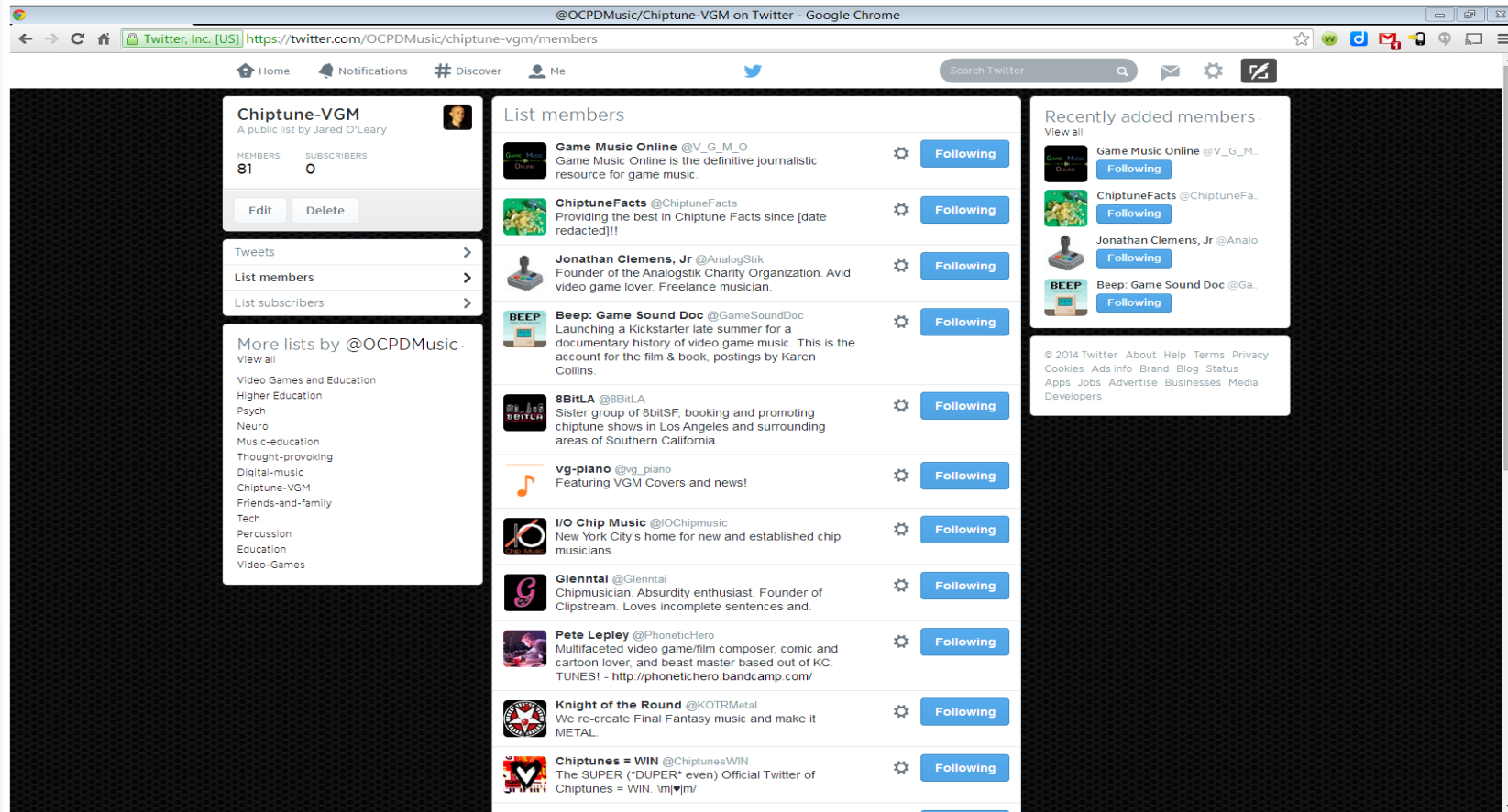
- ▶ Technological constraints = project criteria
 - ▶ Memory = Limited number of measures
 - ▶ Evolving environments = Evolving music
 - ▶ Key/Mode = Key/Mode
 - ▶ Limited channels = Limited number of voices
 - ▶ Wave form limitations = Limited timbre options



Potential projects

Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

8-bit music: Chiptune artists

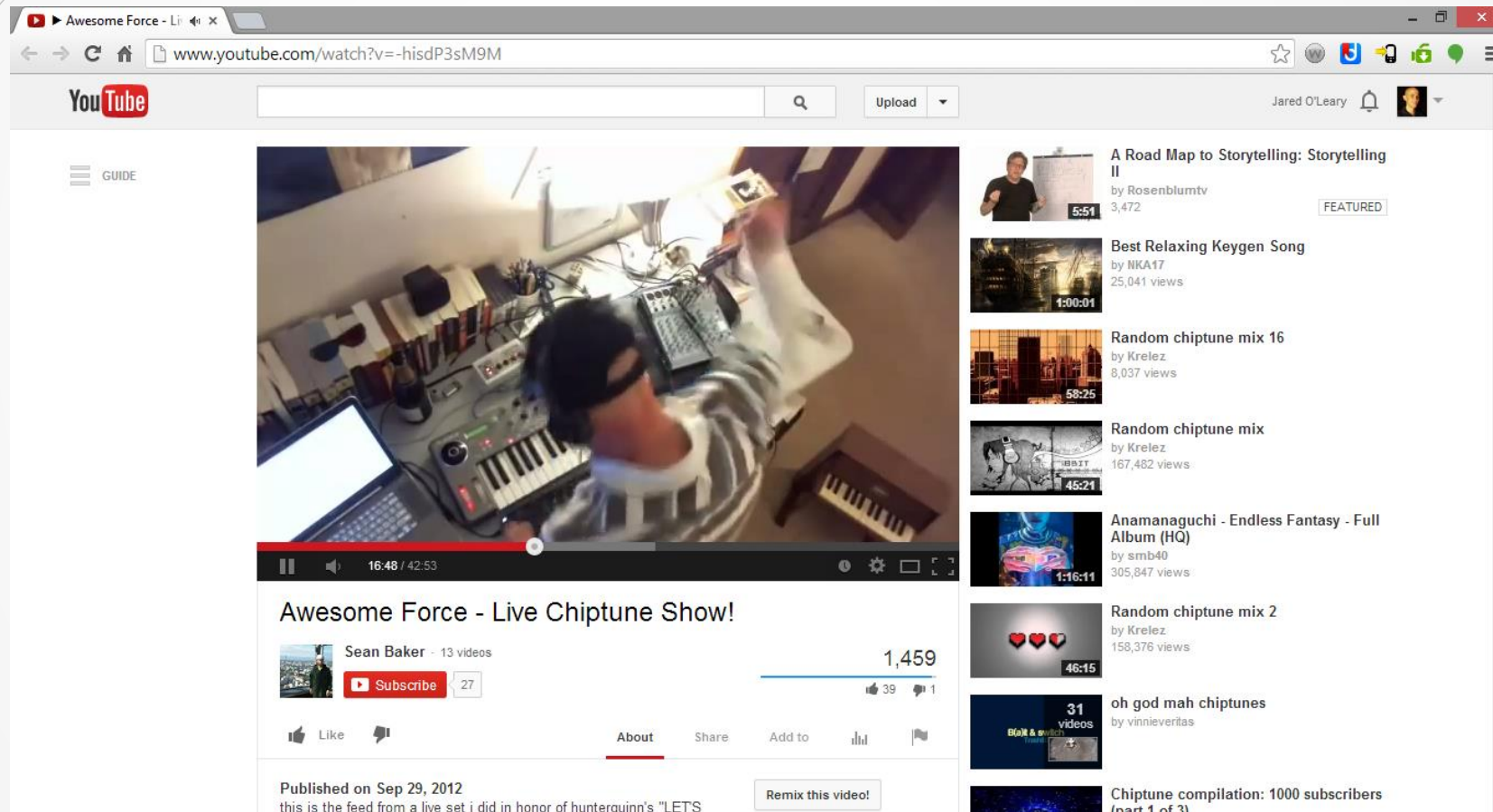


The screenshot shows a Twitter browser window with the URL <https://twitter.com/OCPDMusic/chiptune-vgm/members>. The page features a dark theme and displays the following information:

- Chiptune-VGM**: A public list by Jared O'Leary with 81 members and 0 subscribers. Buttons for 'Edit' and 'Delete' are visible.
- List members**: A central column listing members with their profile pictures, names, handles, and bios. Each entry includes a 'Following' button and a settings gear icon. Members listed include:
 - Game Music Online** (@V_G_M_O): Game Music Online is the definitive journalistic resource for game music.
 - ChiptuneFacts** (@ChiptuneFacts): Providing the best in Chiptune Facts since [date redacted]!!
 - Jonathan Clemens, Jr** (@AnalogStik): Founder of the Analogstik Charity Organization. Avid video game lover. Freelance musician.
 - Beep: Game Sound Doc** (@GameSoundDoc): Launching a Kickstarter late summer for a documentary history of video game music. This is the account for the film & book, postings by Karen Collins.
 - 8BitLA** (@8BitLA): Sister group of 8bitSF, booking and promoting chiptune shows in Los Angeles and surrounding areas of Southern California.
 - vg-piano** (@vg_piano): Featuring VGM Covers and news!
 - I/O Chip Music** (@IOChipmusic): New York City's home for new and established chip musicians.
 - Glenntai** (@Glenntai): Chipmusician. Absurdity enthusiast. Founder of Clipstream. Loves incomplete sentences and.
 - Pete Lepley** (@PhoneticHero): Multifaceted video game/film composer, comic and cartoon lover, and beast master based out of KC. TUNES! - <http://phonetichero.bandcamp.com/>
 - Knight of the Round** (@KOTRMetal): We re-create Final Fantasy music and make it METAL.
 - Chiptunes = WIN** (@ChiptunesWIN): The SUPER ("DUPER" even) Official Twitter of Chiptunes = WIN. \n|v|/m/
- Recently added members**: A right-hand column showing members added recently, including Game Music Online, ChiptuneFacts, Jonathan Clemens, Jr, and Beep: Game Sound Doc.
- More lists by @OCPDMusic**: A section on the left listing various categories such as Video Games and Education, Higher Education, Psych, Neuro, Music-education, Thought-provoking, Digital-music, Chiptune-VGM, Friends-and-family, Tech, Percussion, Education, and Video-Games.

At the bottom of the page, there is a copyright notice: © 2014 Twitter. About Help Terms Privacy Cookies Ads info Brand Blog Status Apps Jobs Advertise Businesses Media Developers.

8-bit music: Chiptune artists



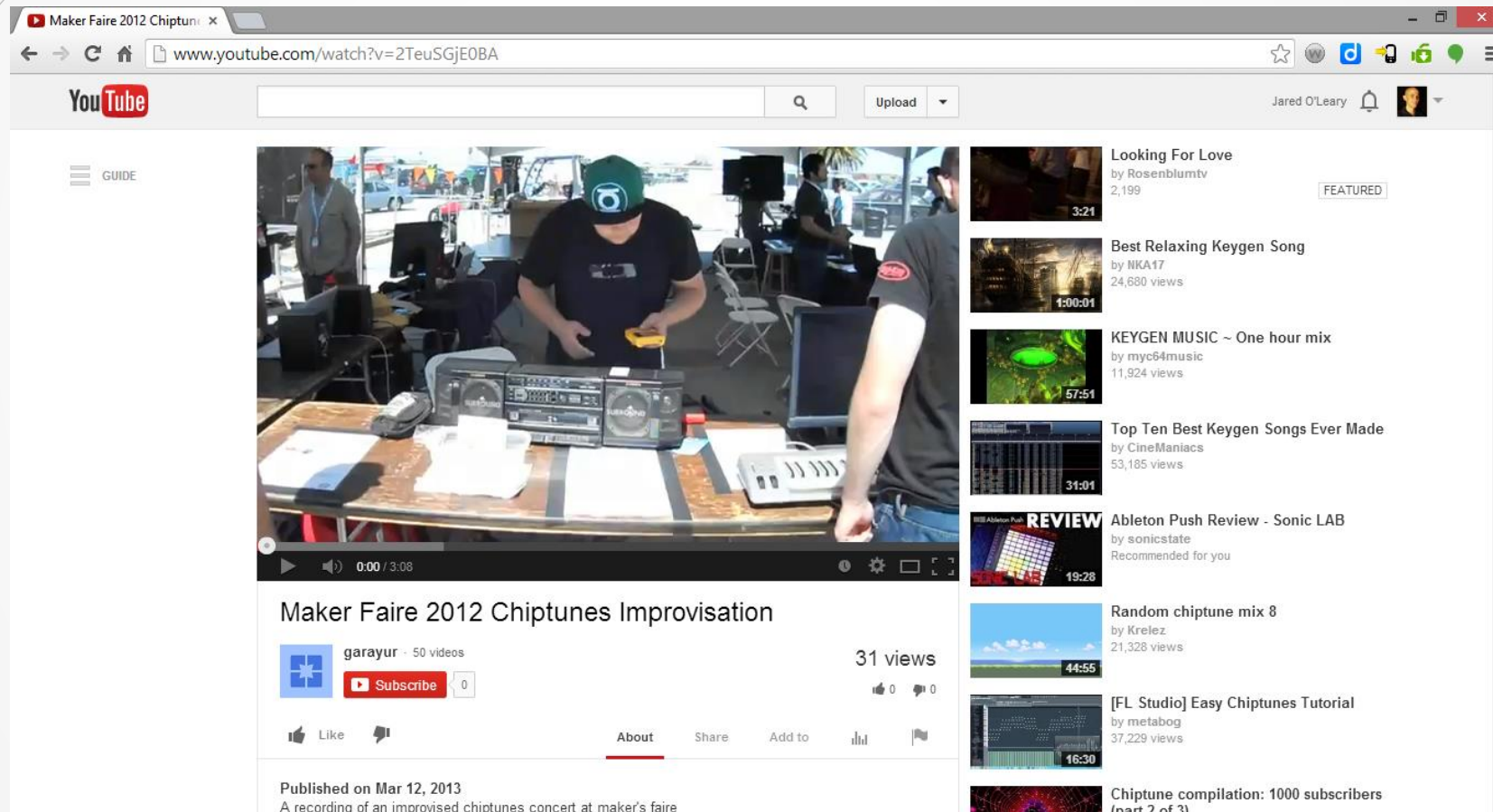
The screenshot shows a YouTube video player for the video "Awesome Force - Live Chiptune Show!" by Sean Baker. The video is currently at 16:48 of a 42:53 duration. The video content shows a person wearing a black visor and a striped shirt, sitting at a desk with a laptop, a keyboard, and various audio equipment, performing live chiptune music. Below the video player, the video title "Awesome Force - Live Chiptune Show!" is displayed, along with the channel name "Sean Baker" and 13 videos. The video has 1,459 views, 39 likes, and 1 dislike. There are buttons for "Like", "About", "Share", "Add to", and "Remix this video!". The video was published on Sep 29, 2012, and the description reads: "this is the feed from a live set i did in honor of hunterquinn's 'LETS".

On the right side of the page, there is a list of recommended videos:

- A Road Map to Storytelling: Storytelling II** by Rosenblumtv, 3,472 views, **FEATURED**
- Best Relaxing Keygen Song** by NKA17, 25,041 views
- Random chiptune mix 16** by Krelez, 8,037 views
- Random chiptune mix** by Krelez, 167,482 views
- Anamanaguchi - Endless Fantasy - Full Album (HQ)** by smb40, 305,847 views
- Random chiptune mix 2** by Krelez, 158,376 views
- oh god mah chiptunes** by vinnieveritas, 31 videos
- Chiptune compilation: 1000 subscribers (part 1 of 3)**

Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

8-bit music: Chiptune artists



The screenshot shows a YouTube video player with the following details:

- Video Title:** Maker Faire 2012 Chiptunes Improvisation
- Channel:** garayur · 50 videos
- Views:** 31 views
- Published:** Mar 12, 2013
- Description:** A recording of an improvised chiptunes concert at maker's faire

The video player shows a person wearing a green cap with a white 'G' logo, performing at a table with a boombox and other electronic equipment. The video progress is at 0:00 / 3:08.

Recommended Videos:

- Looking For Love by Rosenblumtv (2,199 views, FEATURED)
- Best Relaxing Keygen Song by NKA17 (24,680 views)
- KEYGEN MUSIC ~ One hour mix by myc64music (11,924 views)
- Top Ten Best Keygen Songs Ever Made by CineManiacs (53,185 views)
- Ableton Push Review - Sonic LAB by sonicstate (Recommended for you)
- Random chiptune mix 8 by Krelez (21,328 views)
- [FL Studio] Easy Chiptunes Tutorial by metabog (37,229 views)
- Chiptune compilation: 1000 subscribers (part 2 of 3)

Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

8-bit music: Film scoring

The screenshot shows a YouTube video player with the following details:

- Video Title:** Tugboat - 8-bit Hip Hop Medley w/ Best of Nintendo NES Gameplay
- Channel:** oldmansnots - 24 videos
- Views:** 23,979
- Upload Date:** Oct 6, 2010
- Description:** This had to be Done. Tried my best to match each game with the

The video player shows a still image of a Nintendo NES console, a controller, and a red gun. The video progress bar is at 0:01 / 5:27.

Recommended videos on the right side of the page include:

- 50 videos: YouTube Mix - Tugboat - 8-bit Hip Hop Medley w/ Best of Nintendo NES
- Super Metroid - Soundtrack (SPC) by Jiseng So, 207,219 views
- Random chiptune mix 14 by Krelez, 13,506 views
- NiN10Doh - ToThe64thPower by tomatoshadow, 1,569,896 views
- Two Best Sisters Play - PKMN Snap by 2Snacks, 411,859 views
- Early Nintendo NES system clone from the 1980's! Meet the MicroGenius by ASSEMBlergames.com, 135,824 views
- Tugboat - Man of the Year (Full Album) Chiptune by Zer0Funk, 200 views
- Ludacris - What's Your Fantasy ft. Shawwna

8-bit music: Film scoring

Battlefield 3 version 8-Bit

GamesArtFR · 43 videos

11,276 views

Published on Mar 22, 2012
No description available.

Random acts of ownage
by katulobotomia
3,301,083 views

Top 10 8-Bit Themes
by TheTop10s
318,133 views

Battlefield 4 - Megalodon, Dinosaur, Hainan Resort Ship & WTF Easter Egg -
by ChoppyBF
157,506 views

Battlefield 3: RPG to Air Warfare #2
by maxjayvious
2,470 views

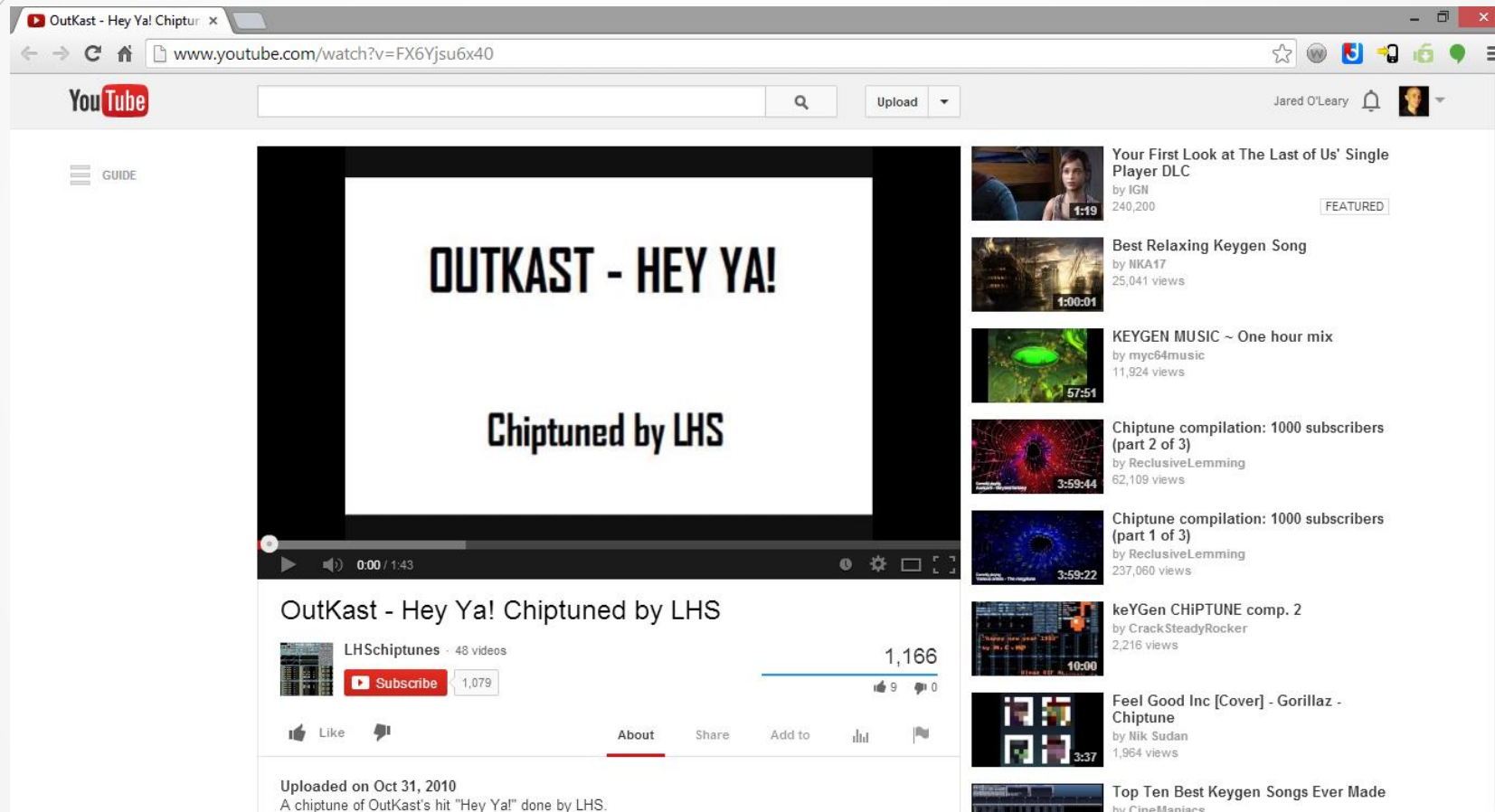
BF4 Levolution Guide: How To Trigger Destruction Events! (Battlefield 4 Launch)
by LevelCapGaming
456,860 views

Battlefield 3
1,191,311 videos

TOP 50 FUNNIEST BATTLEFIELD 3 MOMENTS! - By ChaBoyyHD
by ChaBoyyHD
874,600 views

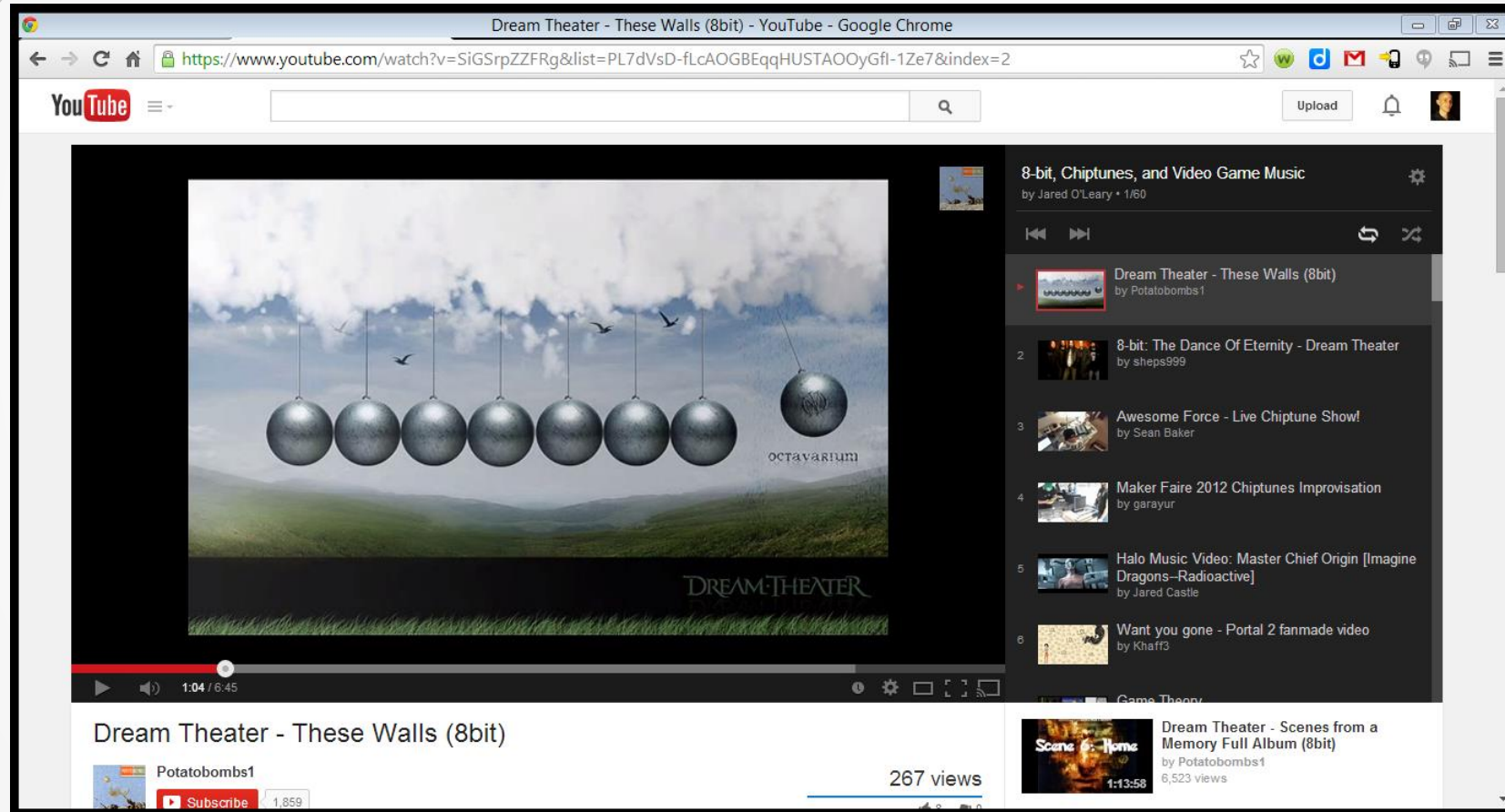
Jim Carrey - Stand Up Comedy
by IWJAF

8-bit music: Remixes/covers/arrangements



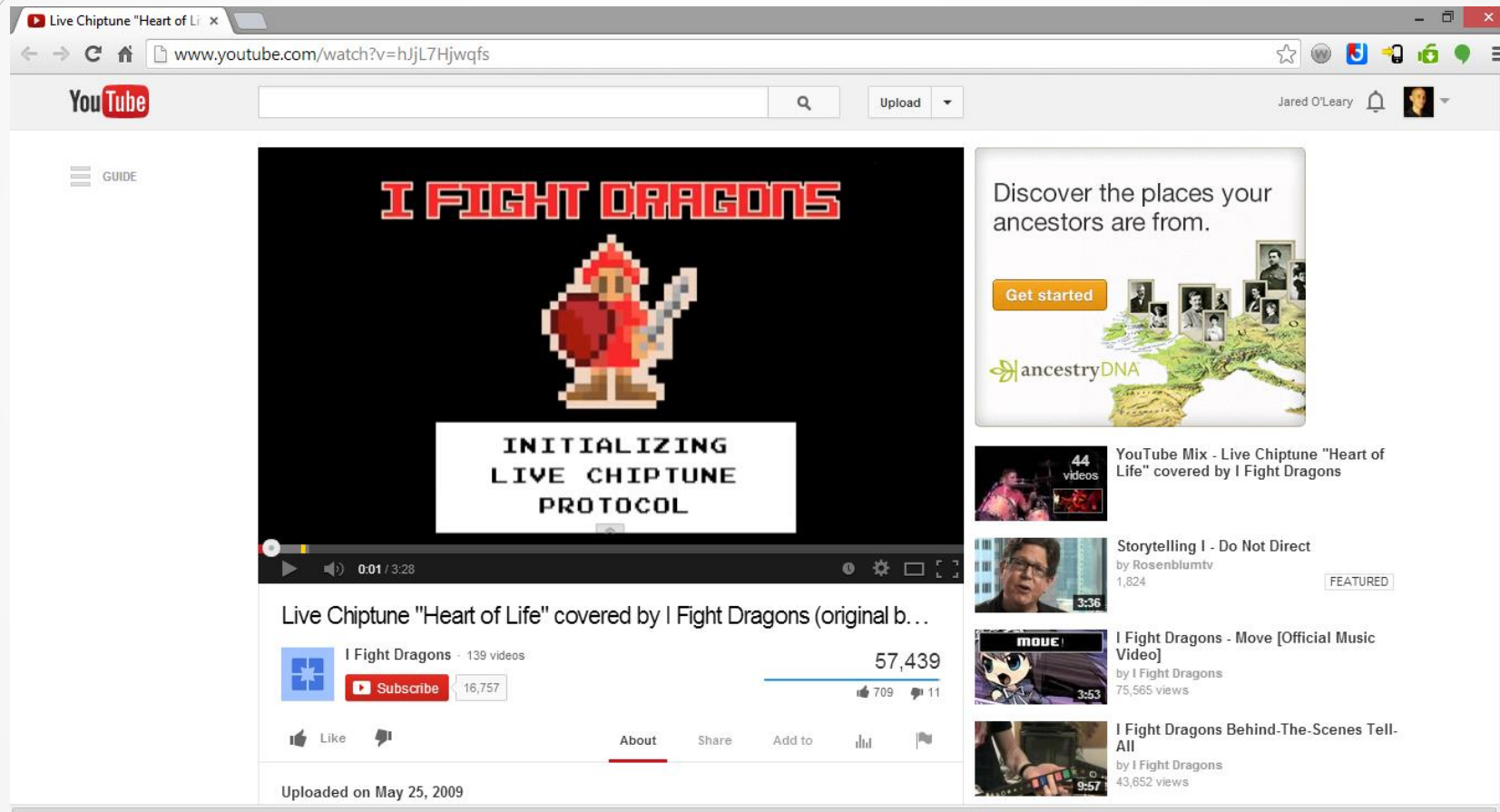
The screenshot shows a YouTube video player for the video "OutKast - Hey Ya! Chiptuned by LHS". The video player is currently at 0:00 / 1:43. The video title is "OutKast - Hey Ya! Chiptuned by LHS". The channel is "LHSchiptunes" with 48 videos and 1,079 subscribers. The video has 1,166 likes and 0 dislikes. The video description is "Uploaded on Oct 31, 2010. A chiptune of OutKast's hit 'Hey Ya!' done by LHS." The right sidebar shows several recommended videos, including "Your First Look at The Last of Us' Single Player DLC" by IGN, "Best Relaxing Keygen Song" by NKA17, "KEYGEN MUSIC ~ One hour mix" by myc64music, "Chiptune compilation: 1000 subscribers (part 2 of 3)" by ReclusiveLemming, "Chiptune compilation: 1000 subscribers (part 1 of 3)" by ReclusiveLemming, "keYGen CHIPTUNE comp. 2" by CrackSteadyRocker, "Feel Good Inc [Cover] - Gorillaz - Chiptune" by Nik Sudan, and "Top Ten Best Keygen Songs Ever Made" by CineManiacs.

8-bit music: Remixes/covers/arrangements



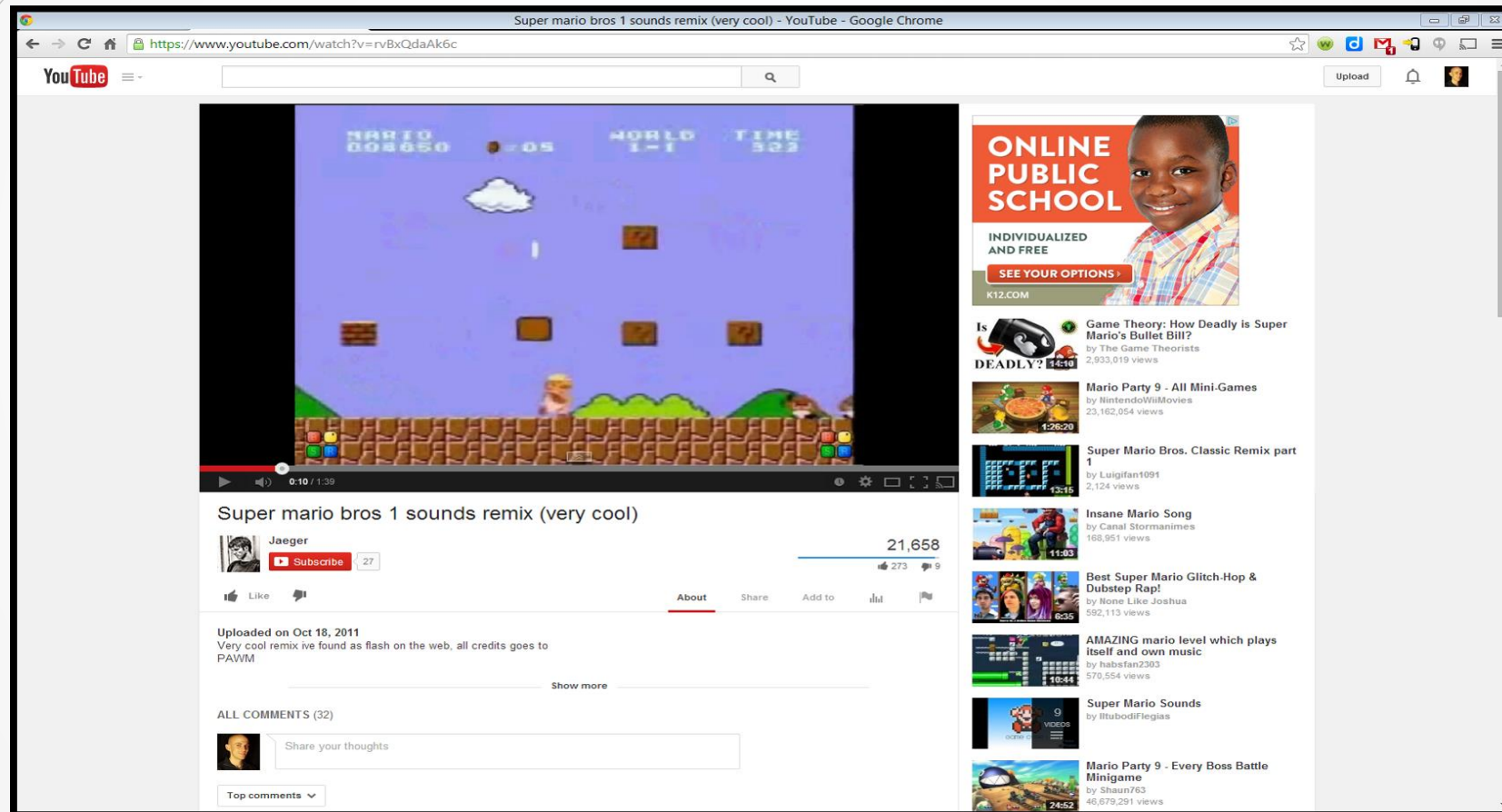
The screenshot shows a YouTube video player in a Google Chrome browser. The video title is "Dream Theater - These Walls (8bit)" by Potatobombs1. The video player shows a still image of a landscape with a row of seven silver spheres hanging from the sky, with the word "OCTAVARIUM" and "DREAM THEATER" visible. The video progress is at 1:04 / 6:45. Below the video, the channel name "Potatobombs1" and a "Subscribe" button are visible. To the right, a playlist titled "8-bit, Chiptunes, and Video Game Music" is shown, containing several other 8-bit music videos. The video has 267 views.

8-bit music: Remixes/covers/arrangements



The screenshot shows a YouTube video player for a live chiptune cover of "Heart of Life" by I Fight Dragons. The video player is the central focus, displaying a pixelated character in a red and white outfit holding a sword, with the text "I FIGHT DRAGONS" in red and "INITIALIZING LIVE CHIPTUNE PROTOCOL" in white on a black background. The video progress bar shows 0:01 / 3:28. Below the video player, the video title is "Live Chiptune 'Heart of Life' covered by I Fight Dragons (original b...". The channel name "I Fight Dragons" is shown with 139 videos and 57,439 views. The channel has 16,757 subscribers, 709 likes, and 11 comments. The video was uploaded on May 25, 2009. To the right of the video player, there are several recommended videos, including "Discover the places your ancestors are from." by ancestryDNA, "YouTube Mix - Live Chiptune 'Heart of Life' covered by I Fight Dragons", "Storytelling I - Do Not Direct" by Rosenblumtv, "I Fight Dragons - Move [Official Music Video]", and "I Fight Dragons Behind-The-Scenes Tell-All".

8-bit music: Remixes/covers/arrangements



The screenshot shows a YouTube video player for a Super Mario Bros. 1 sounds remix. The video is titled "Super mario bros 1 sounds remix (very cool)" and is by the channel "Jaeger". The video has 21,658 views and was uploaded on October 18, 2011. The video description states: "Very cool remix ive found as flash on the web, all credits goes to PAWM". The video player shows a Super Mario Bros. 1 level with a custom 8-bit music remix. The video is currently at 0:10 / 1:39. The right sidebar features several recommended videos, including "ONLINE PUBLIC SCHOOL", "Game Theory: How Deadly is Super Mario's Bullet Bill?", "Mario Party 9 - All Mini-Games", "Super Mario Bros. Classic Remix part 1", "Insane Mario Song", "Best Super Mario Glitch-Hop & Dubstep Rap!", "AMAZING mario level which plays itself and own music", "Super Mario Sounds", and "Mario Party 9 - Every Boss Battle Minigame".

Pixel art: Pixel artists

Pixel Art
A public list by Jared O'Leary
A list of pixel artists

MEMBERS: 34 SUBSCRIBERS: 0

Edit Delete

Tweets >
List members >
List subscribers >

More lists by @OCPDMusic
View all
Pixel Art
Video Games and Education
Higher Education
Psych
Neuro
Music-education
Thought-provoking
Digital-music
Chiptune-VGM
Friends-and-family
Tech

List members

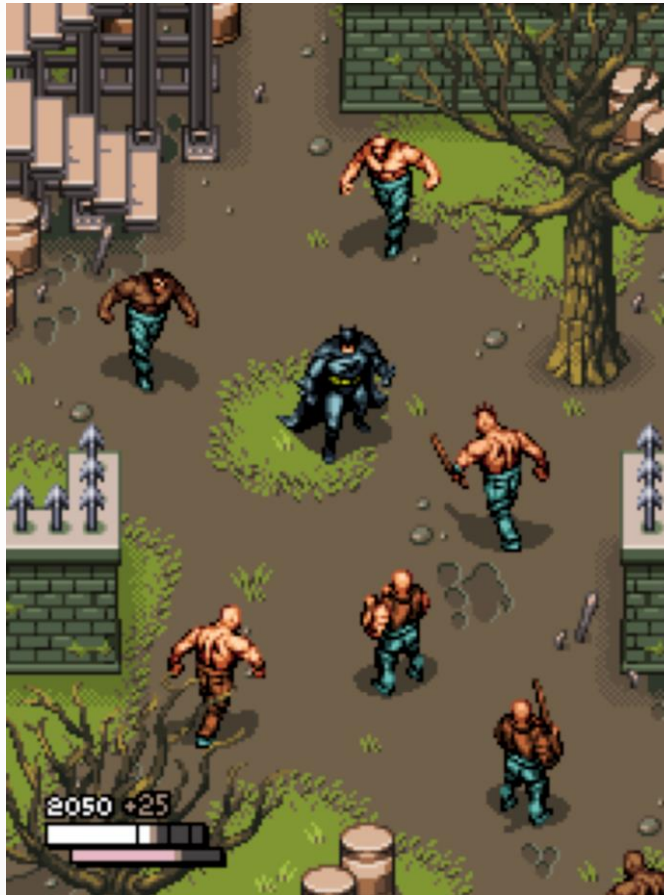
- Joe Conway** @ThePixelkiwi
Pixel Artist & Coder at @inglenookgames. Currently working on Witchmarsh
- Pixel-boy** @2Pblog1
French 21 years old 2D artist. I love video games and I make games with game maker and CraftStudio. (and artist of @CubixGames.)
- st0ven** @st0ven
2d game artist with delusions of grandeur.
- Sven Ruthner** @the_ptoing
2D/Pixelartist, trying to do more indie stuff, because that's fun.
- Alex Pang** @alexolsenpang
Pixel artist, game developer, chiptune lover, and a dirty dubstep fanatic!
- Simon S. Andersen** @snakepixel
Pixel artist and illustrator known as 'Snake' and 'Imson'. I am the creator of Owlboy and run my own company, D-Pad Studio. <http://www.dpadstudio.com>
- Gruau Pomme Lackey** @mousefountain
Rogue pixel graphician / mercenary. Artist at @KOOPMode. Currently working on @rocketcatgames' Death Road to Canada & @KiffexGames' Moon Hunters

Recently added members
View all

- Joe Conway** @ThePixelkiwi
Following
- Pixel-boy** @2Pblog1
Following
- st0ven** @st0ven
Following
- Sven Ruthner** @the_ptoing
Following

© 2014 Twitter About Help Terms Privacy Cookies Ads info Brand Blog Status Apps Jobs Advertise Businesses Media Developers

Pixel art: Batman Arkham Asylum



Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Pixel art: Dead Space



Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Pixel art: Final Fantasy XIII



Pixel art: Guitar Hero



Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Pixel art: Killzone



Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Pixel art: Left 4 Dead



Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Pixel art: Mario Galaxy



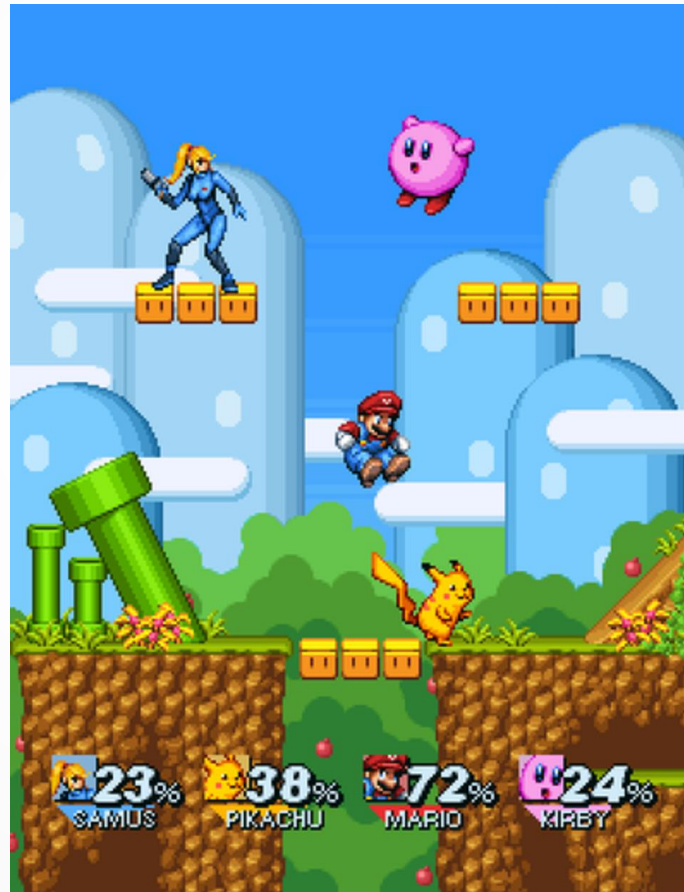
Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Pixel art: Mirrors Edge



Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Pixel art: Super Smash Bros



Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Pixel art: Uncharted



Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Pixel art: Scenery



Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Pixel art: Textiles

The screenshot shows a web browser window with the address bar displaying "belovedshirts.com/collections/drew-wise-the-pixel-artist-collection". The page features a grid of eight items, each with a pixel art design and a price tag. The items are:

- Big City Sweatshirt
- Building Blocks Kid's Tee
- Building Blocks Men's Tee
- Building Blocks Sweatshirt
- Capture Balls Kid's Tee (\$29.00, ~~\$35.00~~)
- Capture Balls Sweatshirt (\$59.00, ~~\$79.00~~)
- Circuit Hoodie (\$68.00, ~~\$98.00~~)
- Circuit Hoodie - READY TO SHIP (\$68.00, ~~\$98.00~~)
- Circuit Leggings (\$49.00, ~~\$59.00~~)
- Circuit Sweatshirt (\$59.00, ~~\$79.00~~)
- Game Over Men's Tee (\$35.00, ~~\$39.00~~)
- Game Over Men's Tee - READY TO SHIP (\$35.00, ~~\$39.00~~)

On the right side of the page, there is a navigation menu with categories like Kids Tees, Kids Sweatshirts, Kids Hoodies, Hats, Socks, Accessories, and a SORT BY... section with options like World Cup, Lunch Specials, Animals, Cats, Dogs, Lions, Sloths, Doughnuts, Foods, Desserts, Galaxy, and Illustrated. A red "help" button is located at the bottom right of the page.

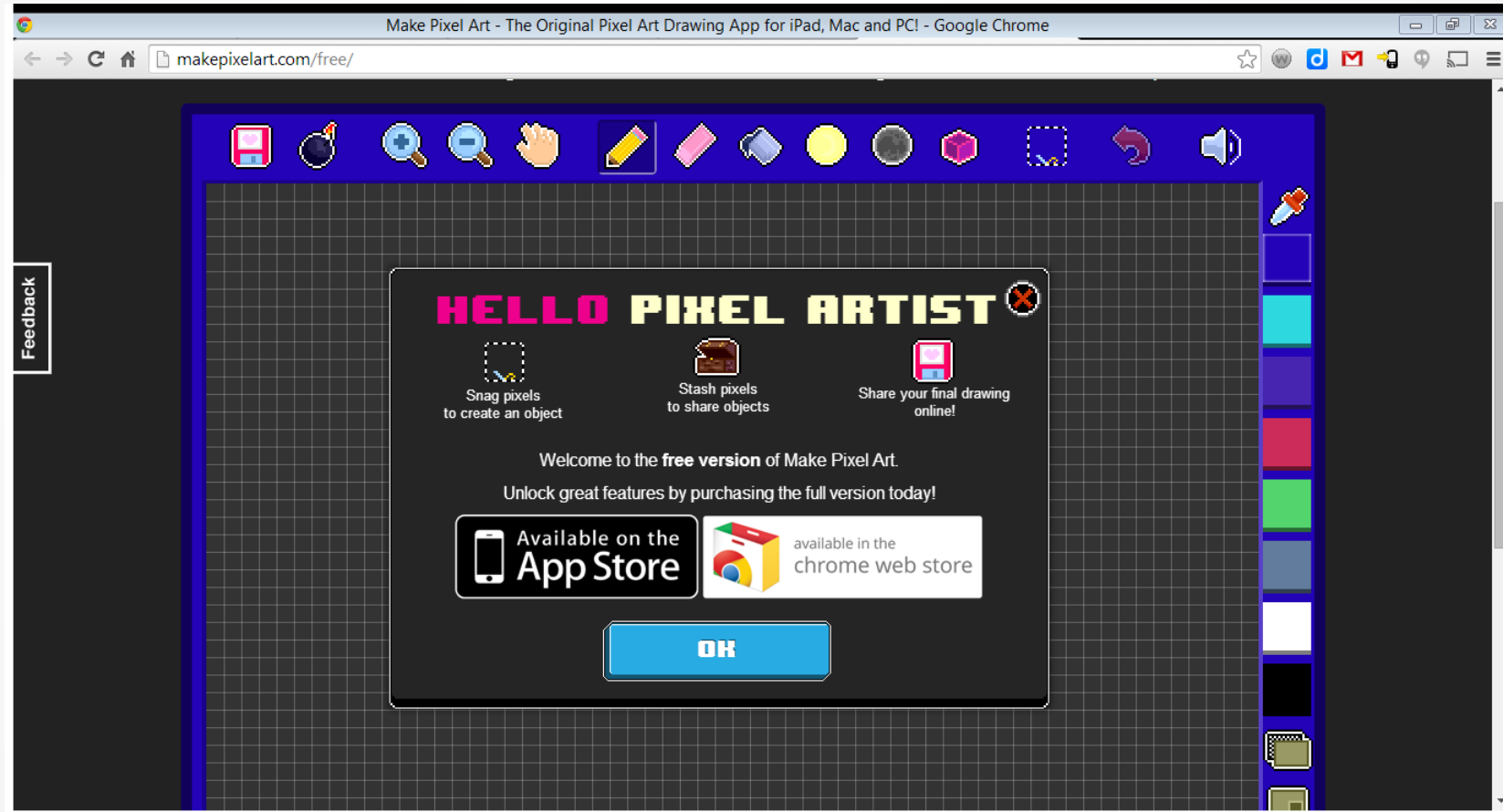
Pixel art: Pop culture



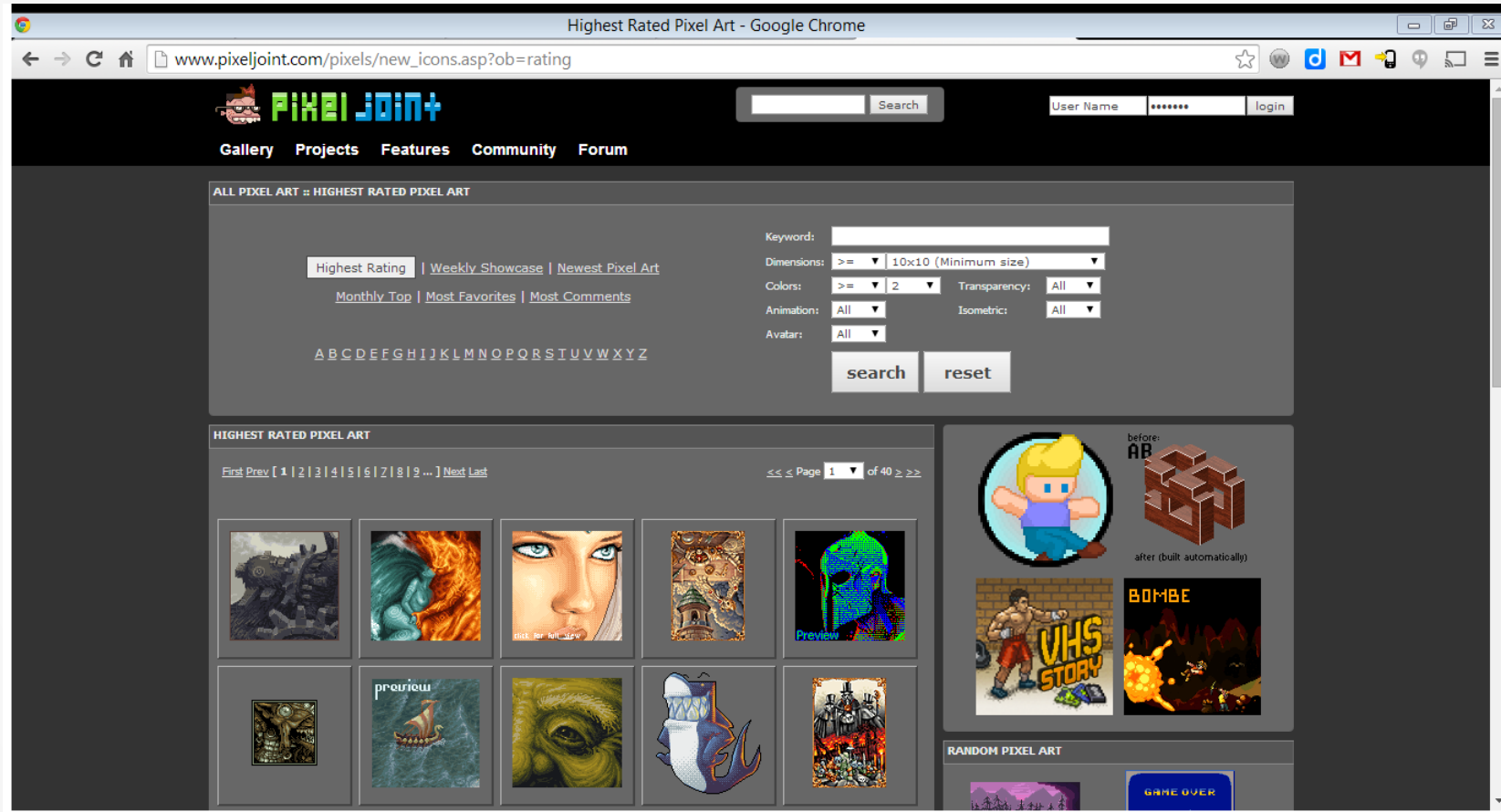
Art by Nicolas Villeminot Star Wars characters are copyright Lucasfilm



Pixel art: Free and easy to use



Pixel art: Communities



8-bit media: Music videos

The screenshot shows a YouTube video player for the video "8-bit Gangnam Style! (강남스타일) M/V" by Dane Boe. The video player is in the center, showing a pixelated character in a yellow and black outfit against a brown background. The video title is "8-bit Gangnam Style! (강남스타일) M/V" and the channel name is "Dane Boe". The video has 5,811,851 views, 53,630 likes, and 3,220 dislikes. The video was published on Sep 27, 2012, and the description is "What if Gangnam Style was an old school video game? It would".

On the right side of the page, there is a Webroot advertisement for "Endpoint" security software, which is "Cloud-Based Endpoint Security for Businesses of All Sizes". Below the advertisement, there are several recommended videos:

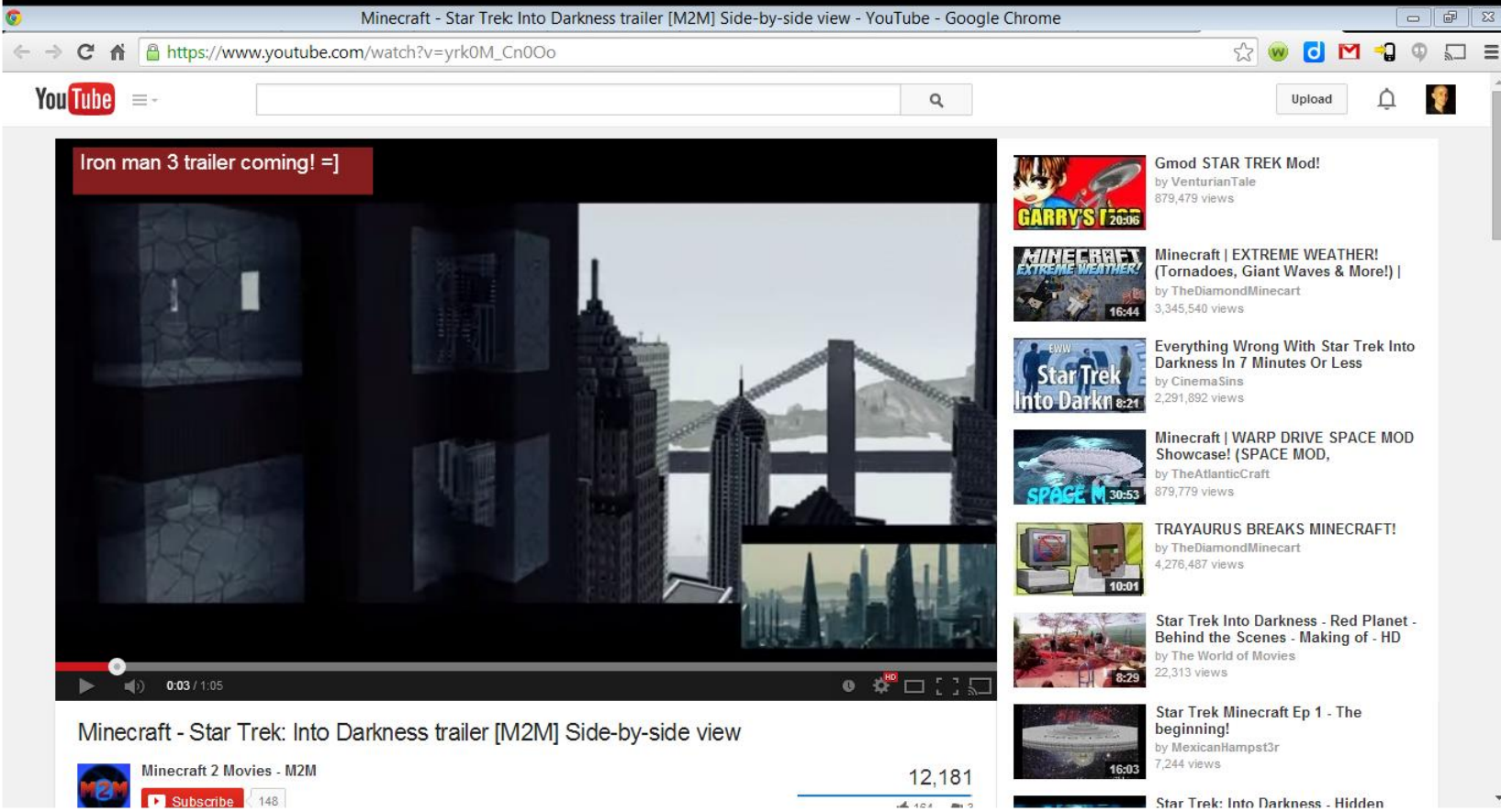
- "My Leg! MY LEG!" by KittiesMama (264,776 views)
- "Drunk Angry Birds" by Dane Boe (851,046 views)
- "Chuck Norris vs Tetris" by Dane Boe (2,434,440 views)
- "TWERKGLASS" by Dane Boe (106,191 views)

8-bit media: TV show credits

The screenshot shows a YouTube video player with the following elements:

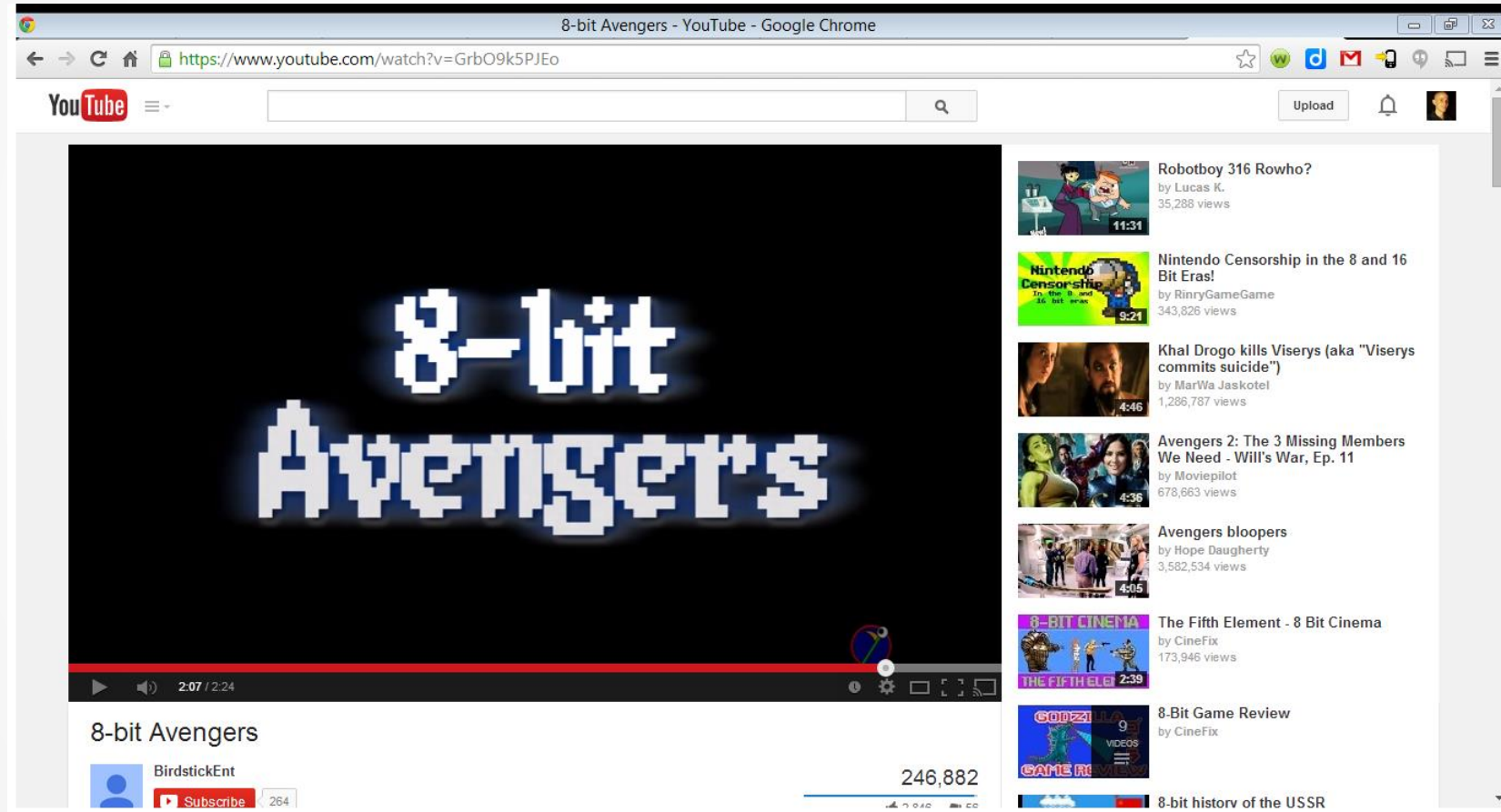
- Browser:** Google Chrome, address bar: https://www.youtube.com/watch?v=a1KjPb_cViQ
- Video Title:** Video Game of Thrones - Side by Side Comparison
- Channel:** NickspllosionFX (19,475 subscribers)
- Video Content:** A side-by-side comparison. The left side shows the HBO TV show with a "SUBSCRIBE" button and a "WATCH THE FULL SIZE VERSION" link. The right side shows the 8-bit video game "YOSHI'S ISLAND" with a "REMAKE" label. A "NICKSPLOSIONFX" logo and "GAME OF THRONES" text are overlaid on the right side.
- Next in NickspllosionFX's Videos:**
 - SUPER PRESS START (138,422 views)
 - Mario VS. Aliens (22,691 views)
 - PRESS START (618,171 views)
 - Mario VS. Ninja Turtles: Vengeance (102,491 views)
 - Daenerys Targaryen - All scenes from season 1 (Game of Thrones) (119,221 views)
 - Game of Thrones (2012 Video Game) - Gameplay Episode 1 | HD (9,695 views)
 - Game Of Thrones - Full Soundtrack Season 1-4

8-bit media: Movie trailers



The screenshot shows a YouTube video player in a Google Chrome browser window. The browser's address bar displays the URL: https://www.youtube.com/watch?v=yrk0M_Cn0Oo. The video player itself shows a side-by-side comparison of a Minecraft world on the left and a Star Trek: Into Darkness cityscape on the right. A red banner at the top of the video frame reads "Iron man 3 trailer coming! =]". The video title below the player is "Minecraft - Star Trek: Into Darkness trailer [M2M] Side-by-side view". The channel name is "Minecraft 2 Movies - M2M" with a subscriber count of 148. The video has 12,181 views. To the right of the video player is a list of recommended videos, including "Gmod STAR TREK Mod!", "Minecraft | EXTREME WEATHER!", "Everything Wrong With Star Trek Into Darkness In 7 Minutes Or Less", "Minecraft | WARP DRIVE SPACE MOD Showcase!", "TRAYAURUS BREAKS MINECRAFT!", "Star Trek Into Darkness - Red Planet - Behind the Scenes - Making of - HD", and "Star Trek Minecraft Ep 1 - The beginning!".

8-bit media: Movie trailers



The screenshot shows a YouTube video player in a Google Chrome browser window. The browser's address bar displays the URL <https://www.youtube.com/watch?v=GrbO9k5PJEo>. The video player itself features a black background with the text "8-bit Avengers" in a large, white, pixelated font. Below the video, the title "8-bit Avengers" is displayed, along with the channel name "BirdstickEnt" and a subscriber count of 264. The video has 246,882 views. To the right of the video player, a list of recommended videos is visible, including "Robotboy 316 Rowho?", "Nintendo Censorship in the 8 and 16 Bit Eras!", "Khal Drogo kills Viserys (aka 'Viserys commits suicide')", "Avengers 2: The 3 Missing Members We Need - Will's War, Ep. 11", "Avengers bloopers", "The Fifth Element - 8 Bit Cinema", "8-Bit Game Review", and "8-bit history of the USSR".

8-bit media: Movies

The screenshot shows a YouTube video player for the video 'ELF - 8 Bit Cinema' by CineFix. The video player displays a pixelated title screen for the movie 'ELF' with the text 'Press Start' and 'CINEFIX' at the bottom. The video has 63,358 views and 410 likes. The channel 'CineFix' has 1,140 videos and 438,751 subscribers. The video was published on Dec 11, 2013, and is part of a series celebrating the 10th anniversary of the movie 'Elf'. To the right of the video player, there are several recommended videos, including 'Hunger Games - 8 Bit Cinema', 'The Thing vs Cthulhu', 'Anchorman - 8 Bit Cinema!', and 'The Shining - 8 Bit Cinema'. There is also an advertisement for a 'Click & Create Your New Do!' service.

Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

Further discussion and questions

- ▶ www.JaredOLeary.com
 - ▶ Music Education Presentations
 - ▶ Interacting with 8-bit

