JimiLab @ Ithaca

Doug Turnbull
Ithaca College

Toronto
248 mi.
Rochester
85 mi.
Syracuse
57 mi.
Albany
165 mi.
Buffalo
145 mi.
Ithaca
Binghamton
50 mi.
New York City
220 mi.
Pittsburgh
378 mi.
Harrisburg

FINGER LAKES

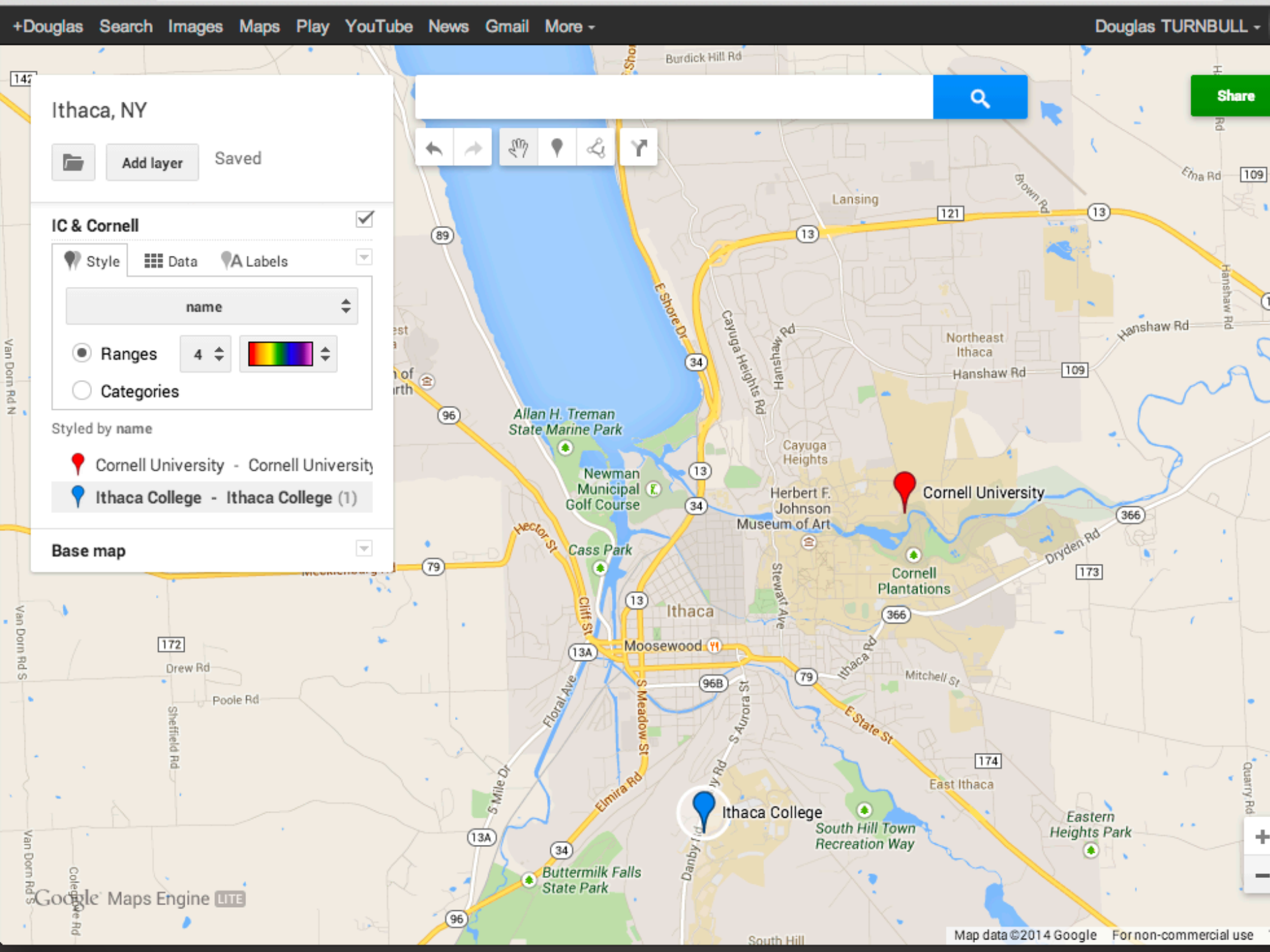
grassroots

★ FESTIVAL OF MUSIC & DANCE ★

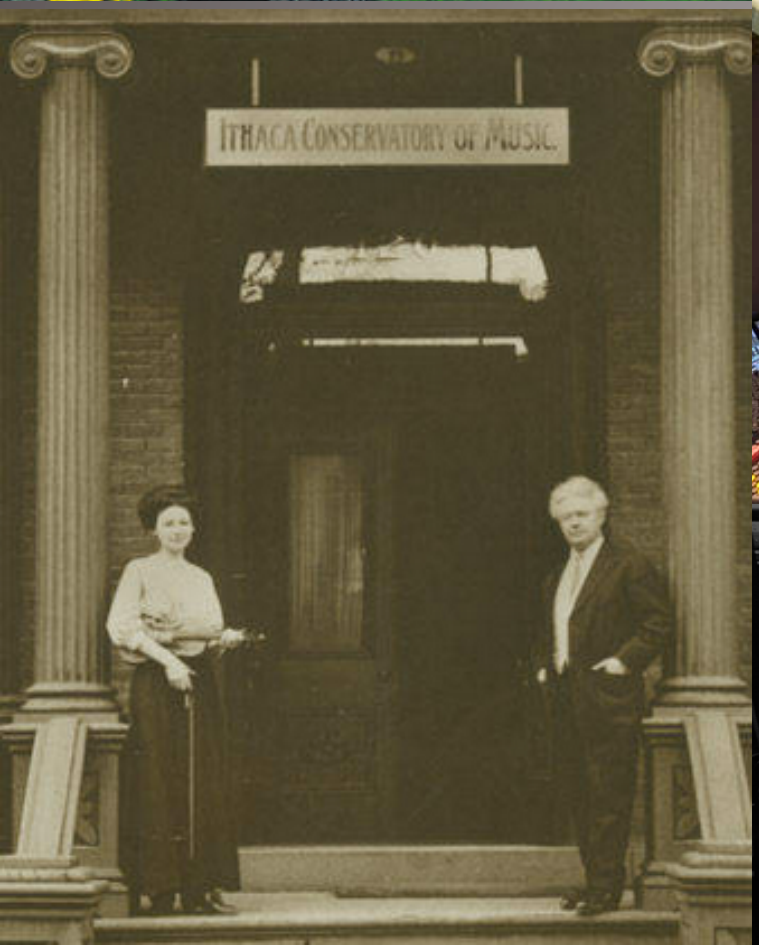
Porchfest

Ithaca, New York ✯ Since 2007

Porchfest paintings by Nina Widger


+Douglas Search Images Maps Play YouTube News Gmail More
Douglas TURNBULL
Share
Ithaca, NY
Add layer
Saved
IC & Cornell
Style
Data
Labels
name
Ranges
4
Categories
Styled by name
Cornell University - Cornell University
Ithaca College - Ithaca College (1)
Base map
Burdick Hill Rd
Lansing
Northeast Ithaca
Hanshaw Rd
Allan H. Treman State Marine Park
Newman Municipal Golf Course
Cass Park
Cayuga Heights
Herbert F. Johnson Museum of Art
Cornell University
Cornell Plantations
Ithaca
Moosewood
Ithaca College
South Hill Town Recreation Way
Eastern Heights Park
Buttermilk Falls State Park
East Ithaca
Dryden Rd
E State St
Mitchell St
Drew Rd
Poole Rd
Google Maps Engine LITE
Map data ©2014 Google
For non-commercial use

ITHACA COLLEGE
FOUNDED 1892


ITHACA CONSERVATORY OF MUSIC

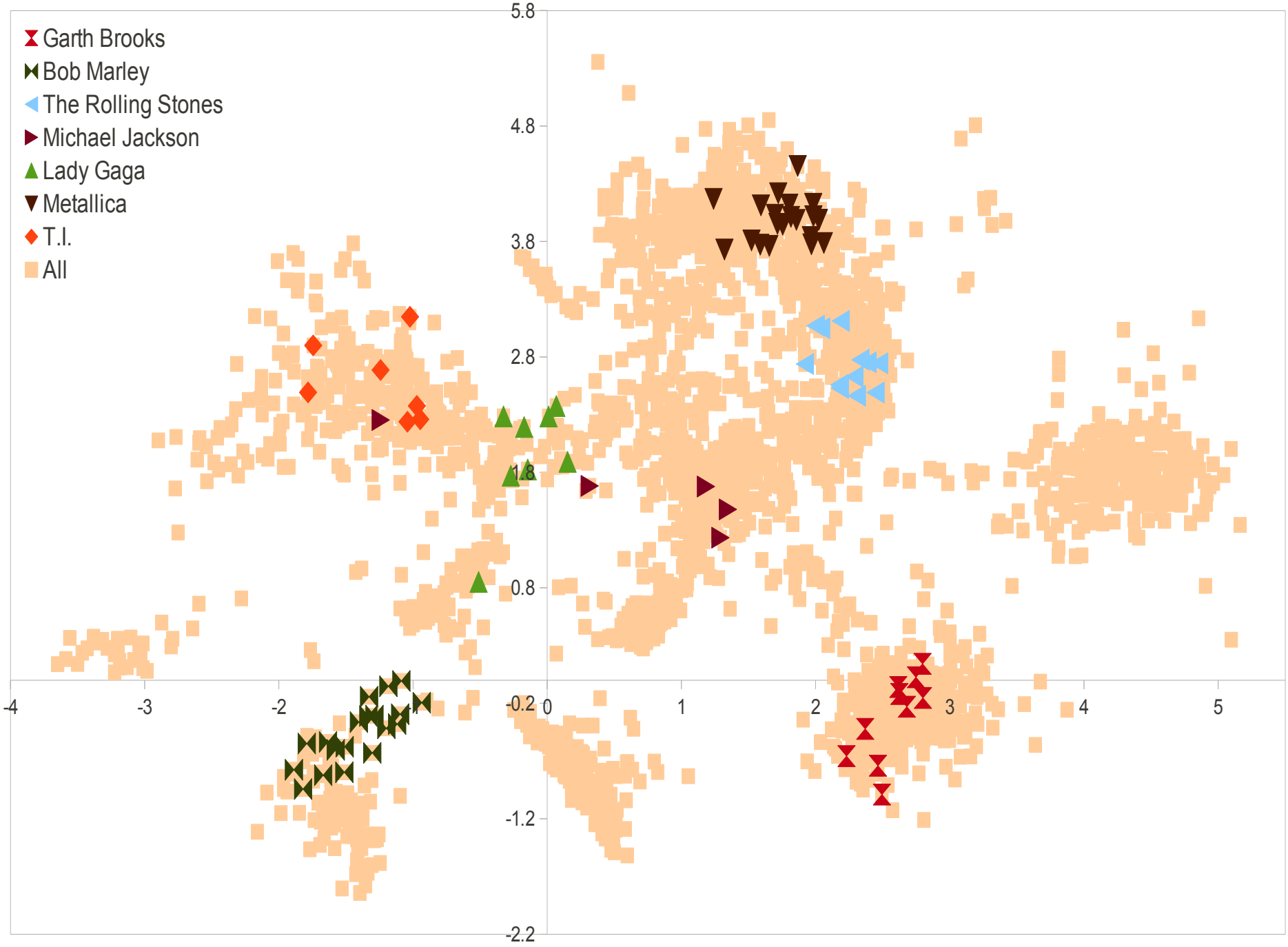
ROY H. PARK SCHOOL OF COMMUNICATION

WICB
91.7FM
ITHACA
THE STATION FOR INNOVATION
Rated the #1 college radio station in the nation by
The Princeton Review for 2014

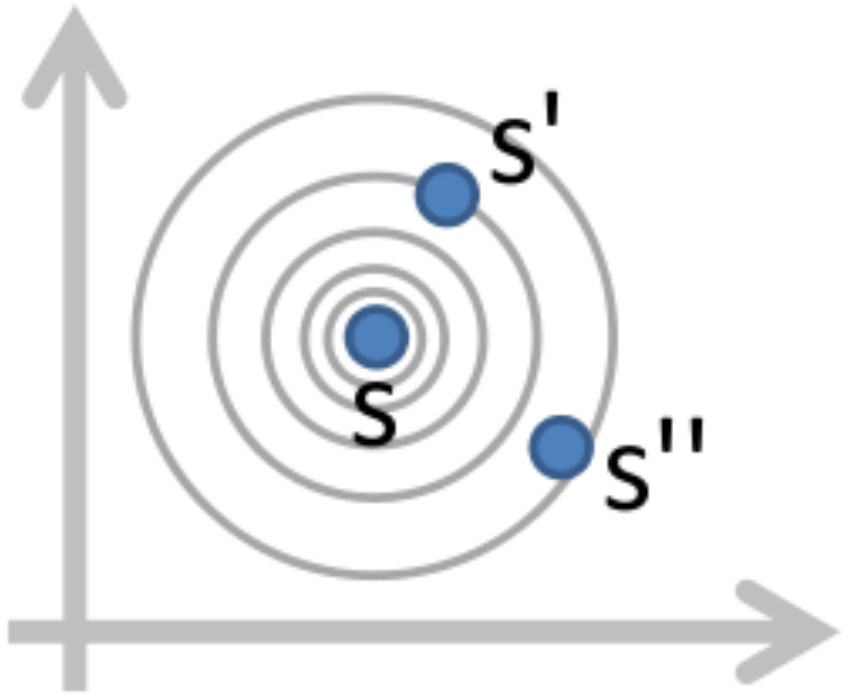
Learning to Model Sequences: Playlist Prediction for Local Music Discovery

Josh
Moore

Shuo
Chen

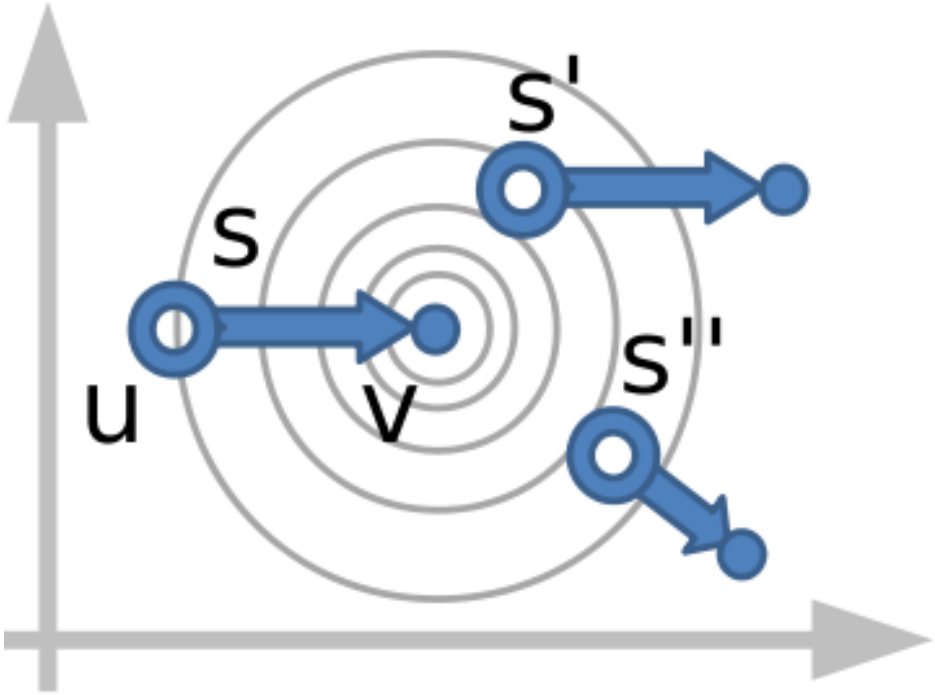

Garth Brooks
Bob Marley
The Rolling Stones
Michael Jackson
Lady Gaga
Metallica
T.I.
All
5.8
4.8
3.8
2.8
1.8
0.8
-0.2
-1.2
-2.2
-4
-3
-2
-1
0
1
2
3
4
5

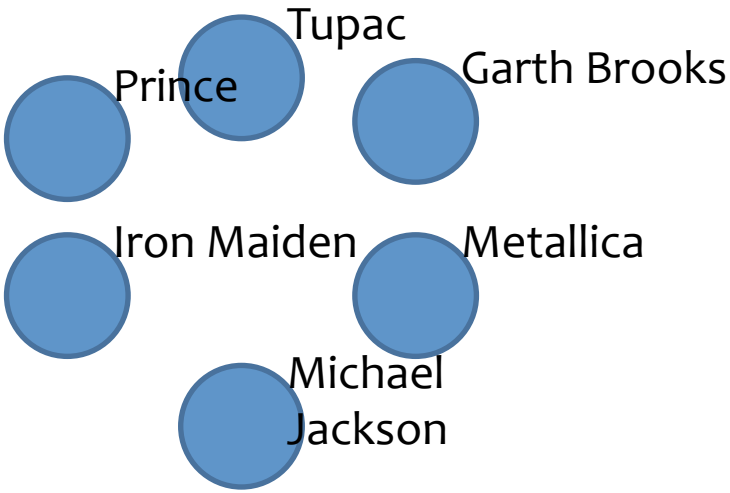
Latent Markov Embedding [Chen KDD12]

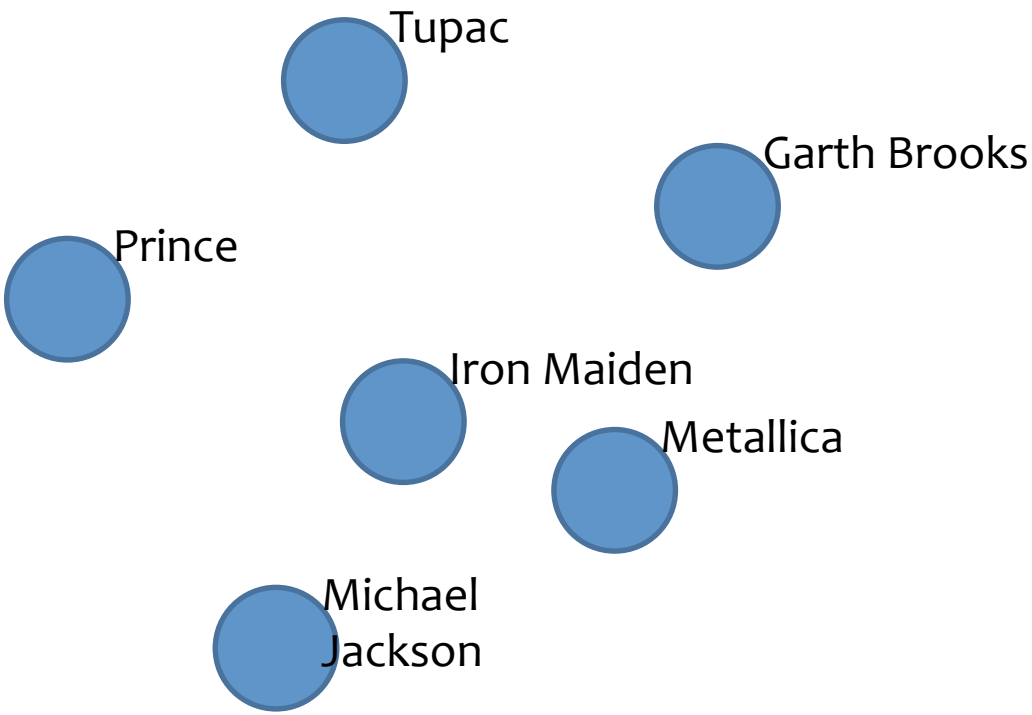


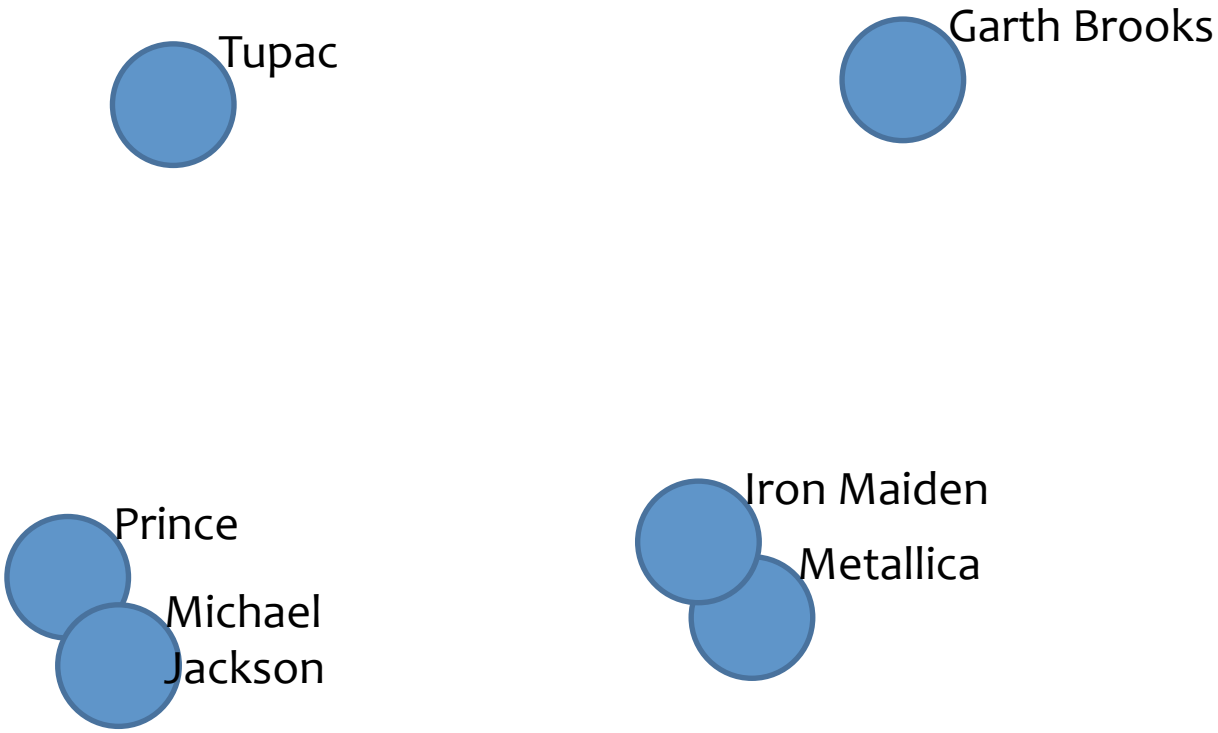
$$P(s'|s) = \frac{e^{-||X(s')-X(s)||_2^2}}{\sum_{s''} e^{-||X(s'')-X(s)||_2^2}}$$

Latent Markov Embedding [Chen KDD12]

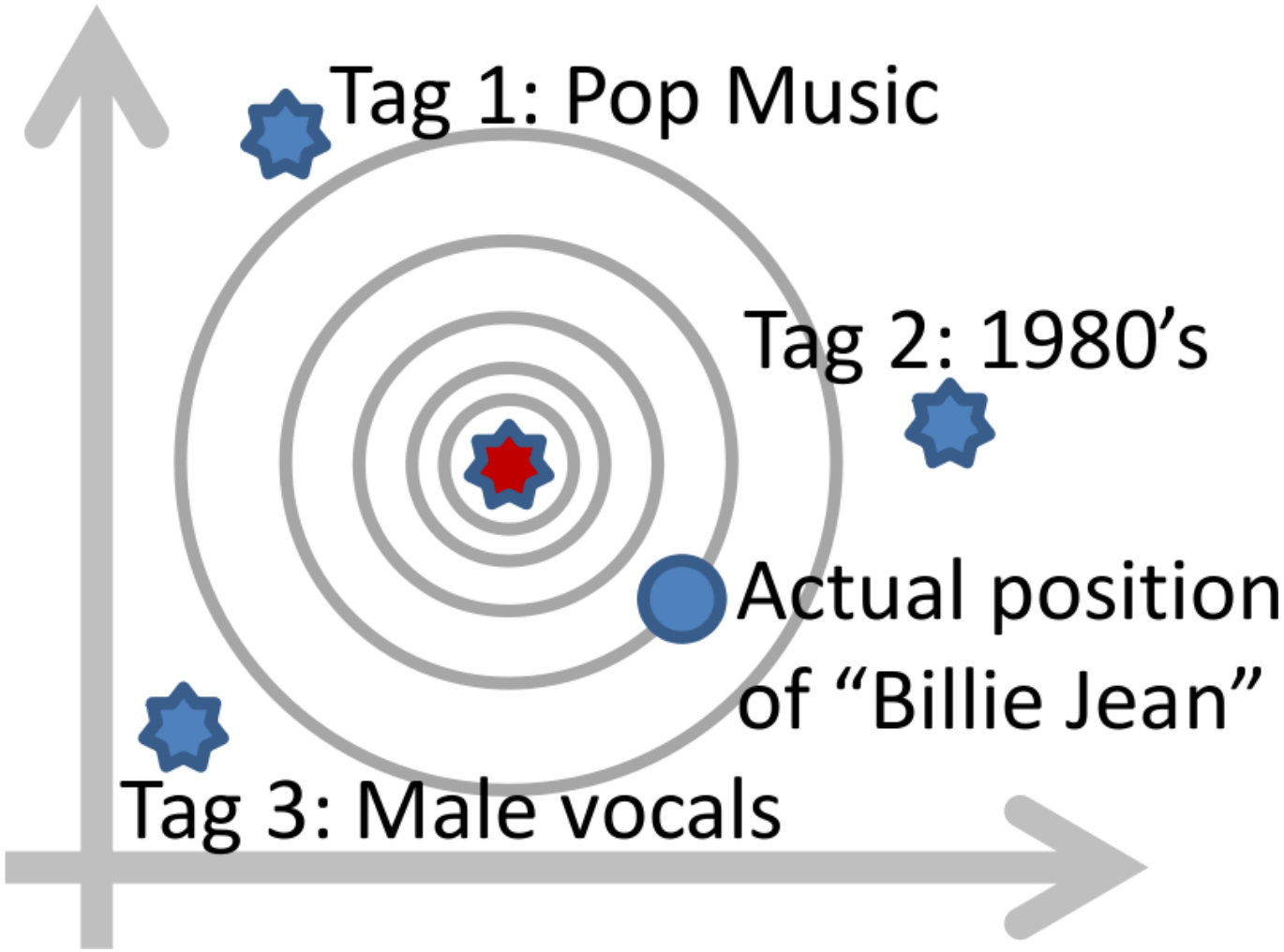



Tupac
Garth Brooks
Prince
Iron Maiden
Metallica
Michael
Jackson


Tupac
Garth Brooks
Prince
Iron Maiden
Metallica
Michael
Jackson

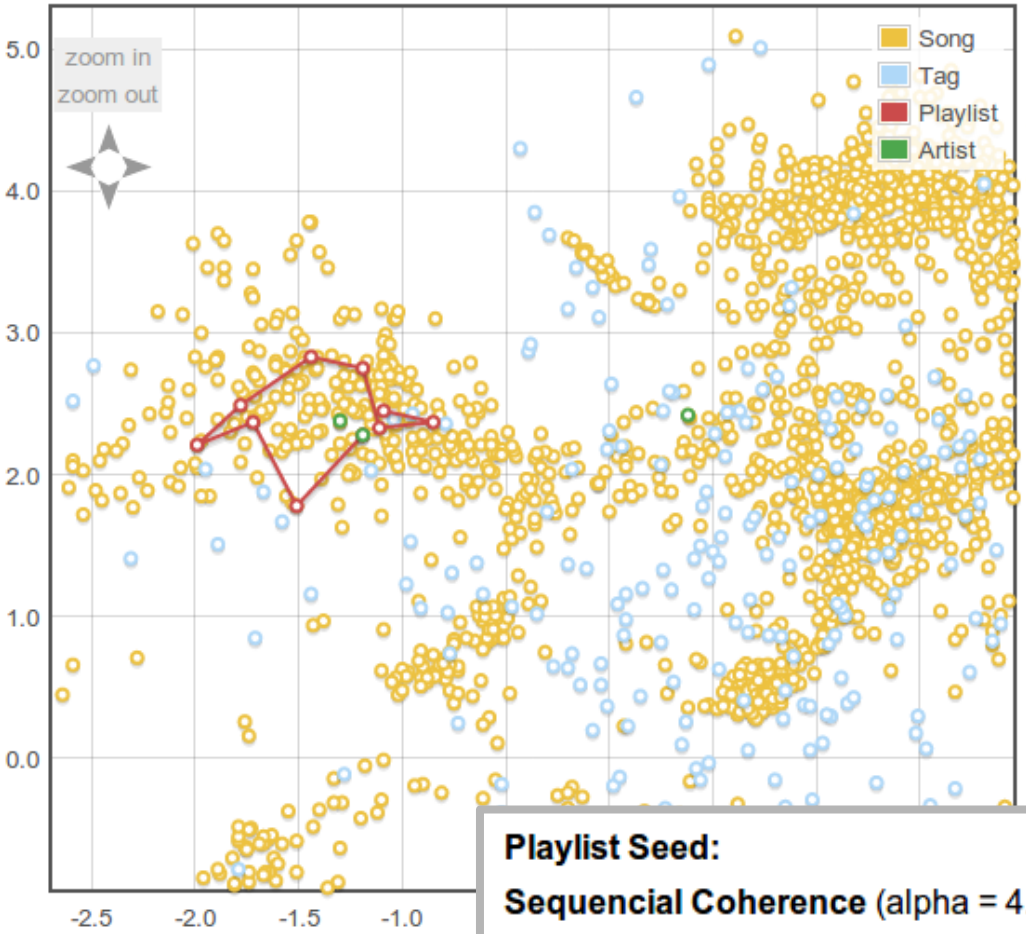

Tupac
Garth Brooks
Prince
Michael Jackson
Iron Maiden
Metallica

Embedding Tags with Songs [Moore ISMIR12]



LME Music Embedding Demo

Artist Lookup: Outkast Go



Playlist:

1. Ms. Jackson *by* Outkast
2. Wotless *by* Kes The Band
3. Walk It Out *by* Unk
4. Love Letter *by* R. Kelly
5. Bring Em Out *by* T.I.
6. Lean Back *by* Terror Squad
7. No Games *by* Serani
8. The Next Episode (with Snoop Dogg & Nate Dogg) *by* Dr. Dre
9. Into You *by* Fabolous
10. Hate It Or Love It (with 50 Cent) *by* The Game

Playlist Seed: Ms. Jackson by Outkast

Sequencial Coherence (alpha = 4.1): large steps — small steps

Popularity Bias (beta = -5.0): obscure — popular

Diversity (gamma = 0.2): drift away from seed — stay close to seed

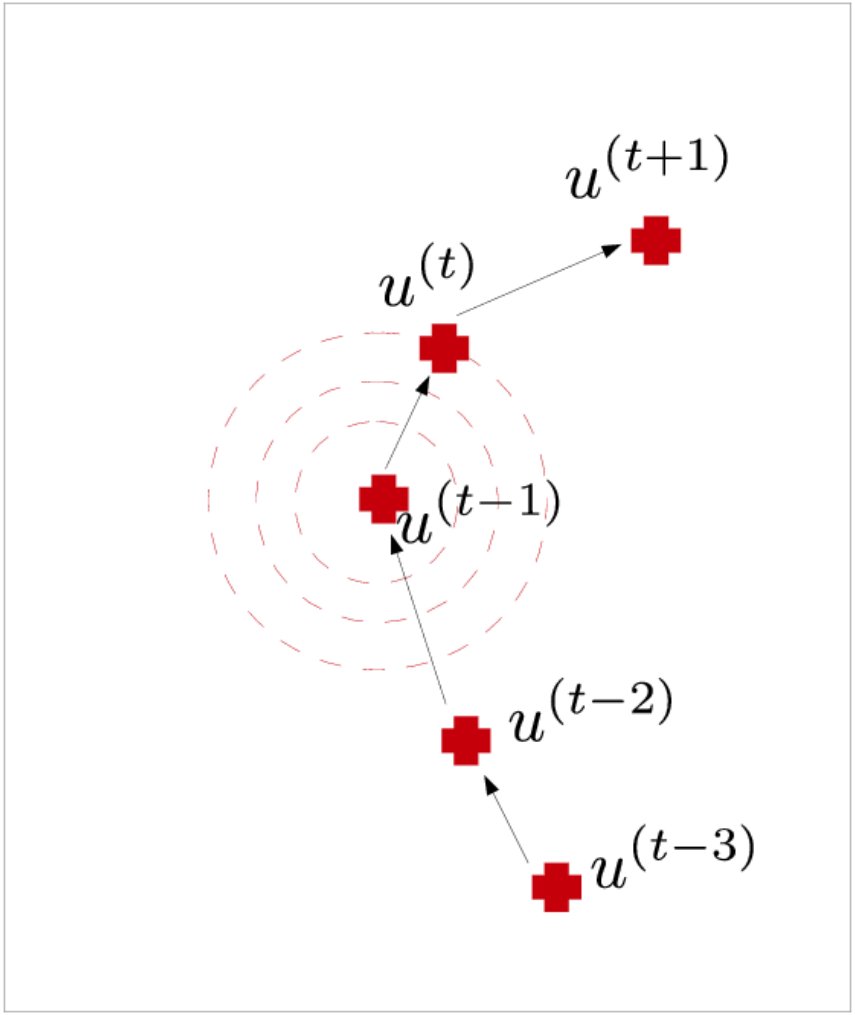
Number of Songs (10): fewer — more

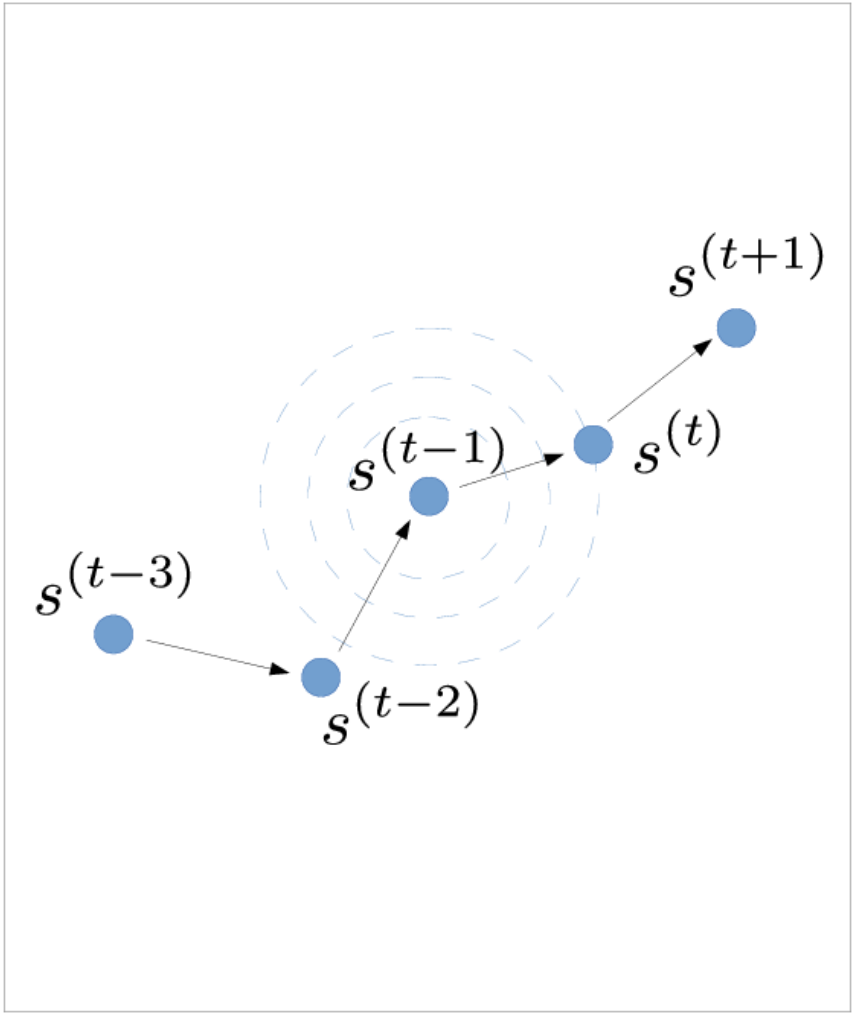
Playlist Construction (deterministic): max probability — stochastic

Generate Playlist

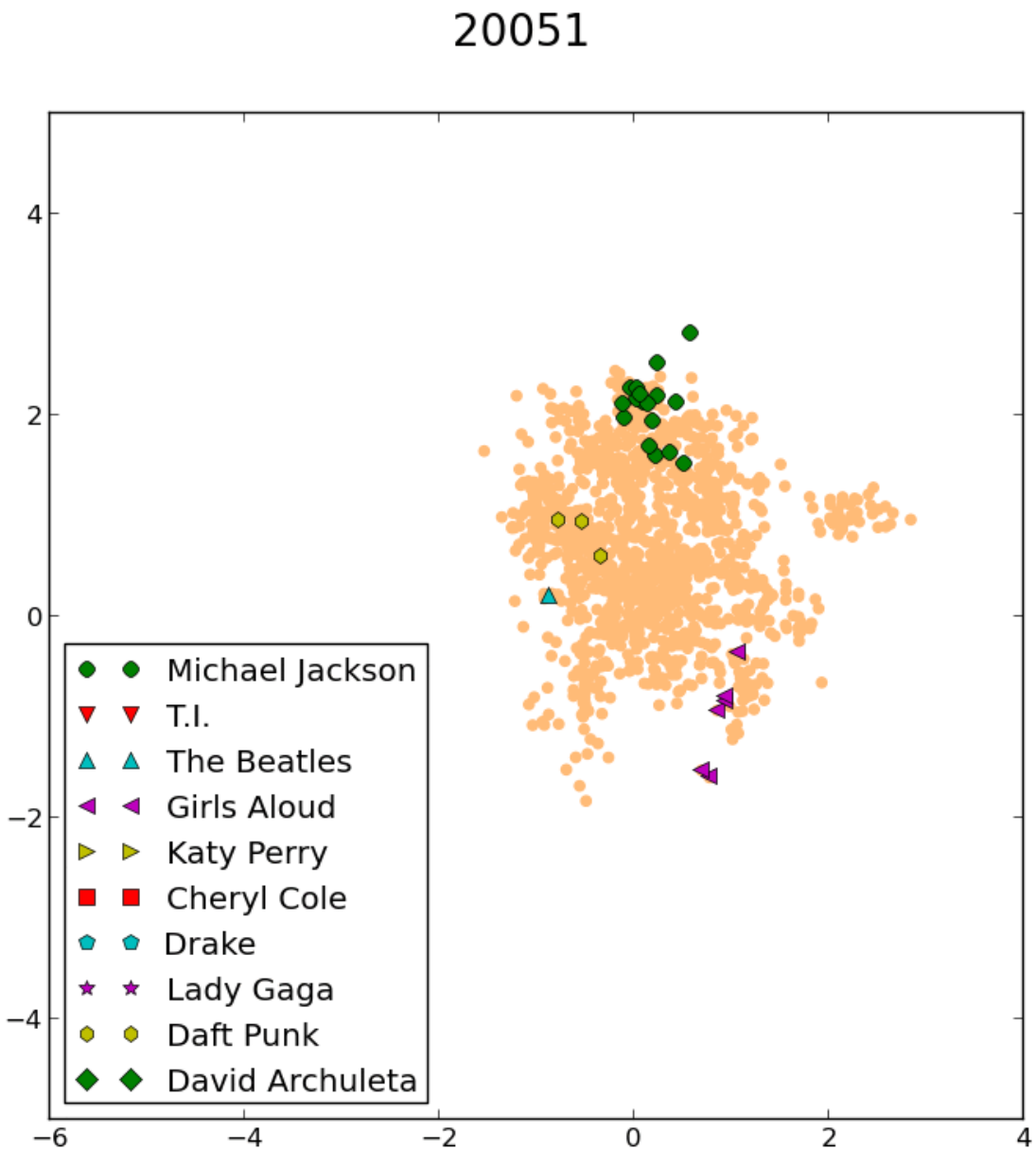
Demo at lme.joachims.org

Temporal Dynamics of User Preferences [Moore ISMIR13]

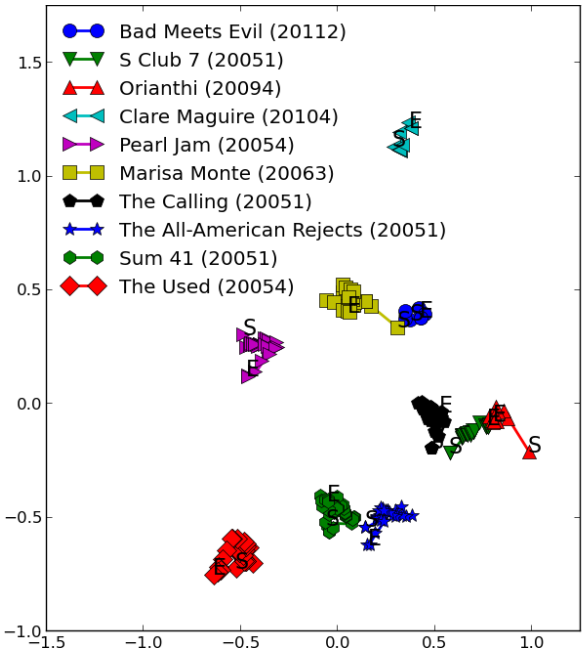


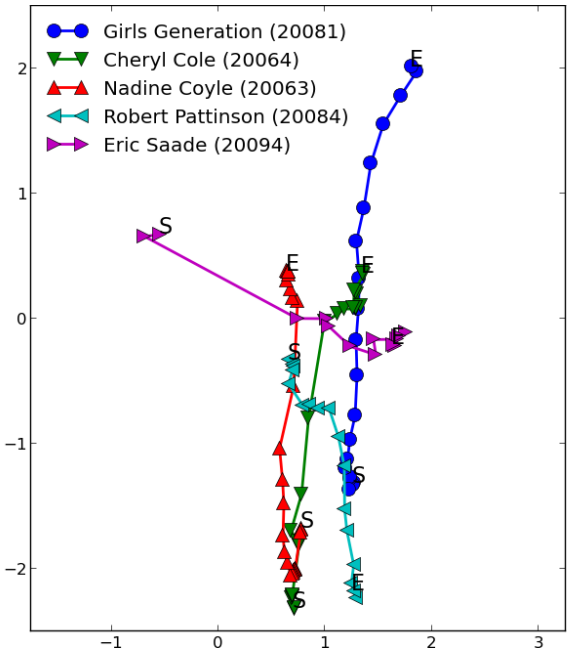


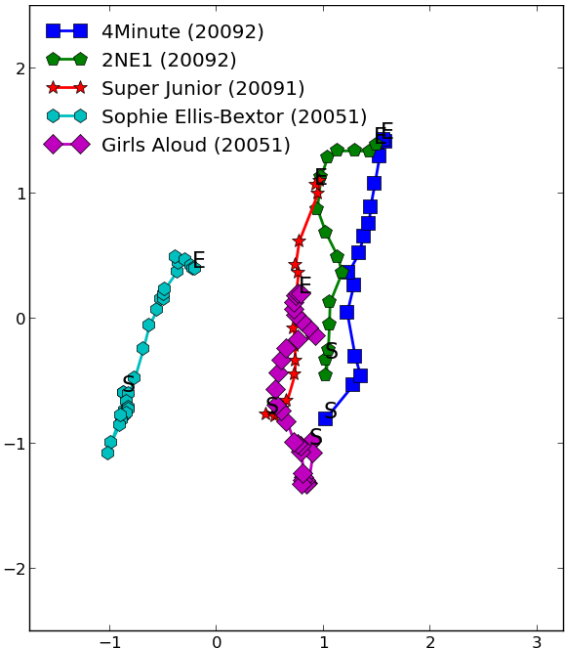
Temporal Dynamics of User Preferences [Moore ISMIR13]



Temporal Dynamics of User Preferences [Moore ISMIR13]







Maurice
Grant

Adeesha
Ekanayake

meuseradio.org

meuseradio.org

Gorillaz

Gorillaz are a british virtual band (currently on hiatus) formed in 1998 by a collaboration between Damon Albarn of Blur and Jamie Hewlett, co-creator of the comic book Tank Girl. They had the idea to create the band while watching MTV in their London flat and originally intended to call the project Gorilla. The band is comprised of four fictional band members: 2-D (vocals, keyboard), Murdoc Niccals (bass), Noodle (guitar, vocals), and Russel Hobbs (drums). These characters only appear in animated form and are not alter-egos of real people, as is often mistakenly assumed. Read more about Gorillaz on Last.fm.

Delicious Radio
Coldplay | The Killers | The Who
folk rock | Garage Rock | Experimental Rock
1 listeners | aacp | 64 kbps

Independent Radio Los Angeles - iradio.la
Rihanna | Daft Punk | R.E.M.
guitar | Classical | Progressive
7 listeners | mpeg | 128 kbps

Zulu Radio Night Beats
Radiohead | Nirvana | Foo Fighters
dance punk | dance | Lo-Fi
No metadata found for this station

alternative
electronic
indie rock
hip-hop

MegsRadio.fm

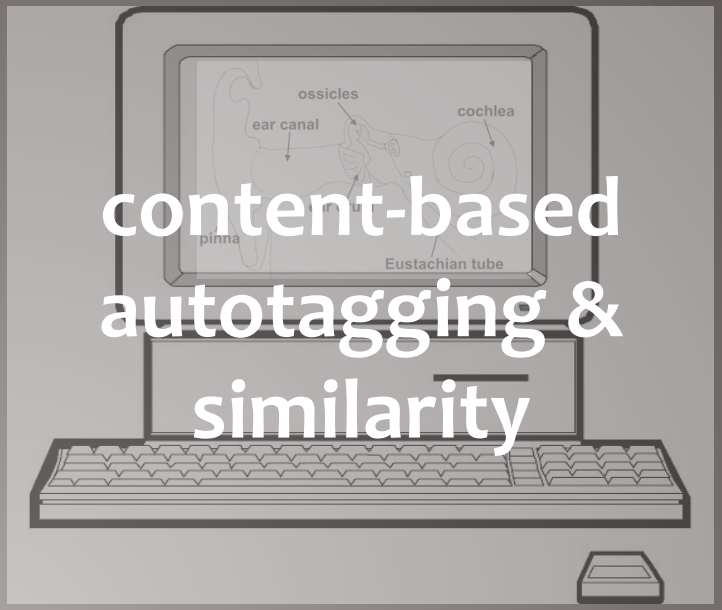
Computer science professor collaborates with students on local Internet radio site

TUCKER MITCHELL/THE ITHACAN

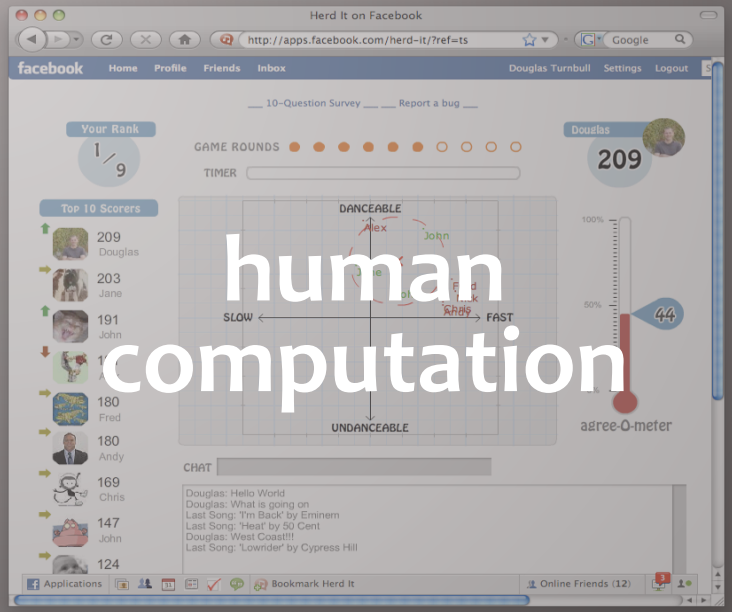
The MegsRadio team collaborates in the Williams Hall conference room Wednesday. Doug Turnbull, assistant professor of computer science, developed the site to create a new listening experience for users and support local music.

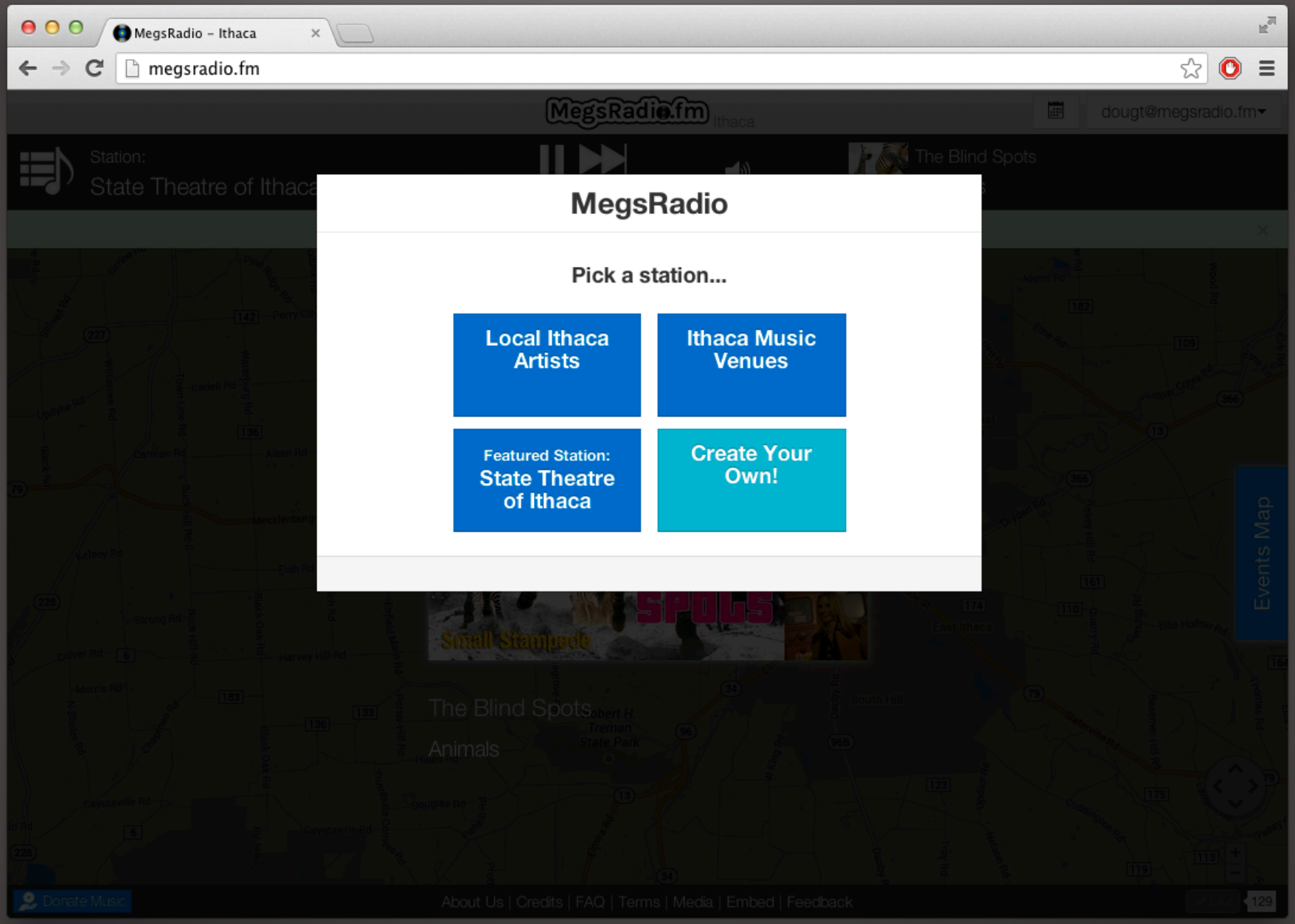
By Tylor Colby — Contributing Writer
Published: September 18th, 2013

Setlist
Jimi Hendrix
Max Yasgur's Farm, Bethel, NY, USA
August 18, 1969
playlist generation


ossicles
ear canal
cochlea
pinna
Eustachian tube
content-based autotagging & similarity

allmusic
Abbey Road
The Beatles
Review
by Richie Unterberger
web mining


Herd It on Facebook
facebook
Your Rank
GAME ROUNDS
TIMER
Top 10 Scorers
DANCEABLE
UNDANCEABLE
SLOW
FAST
agree-O-meter
CHAT
human computation


MegsRadio – Ithaca
megsradio.fm
MegsRadio.fm
dougt@megsradio.fm
Station:
State Theatre of Ithaca
The Blind Spots
MegsRadio
Pick a station...
Local Ithaca Artists
Ithaca Music Venues
Featured Station:
State Theatre of Ithaca
Create Your Own!
Small Stampede
The Blind Spots
Animals
Events Map
Donate Music
About Us | Credits | FAQ | Terms | Media | Embed | Feedback

MegsRadio - Ithaca

megsradio.fm

MegsRadio.fm Ithaca

dougt@megsradio.fm

Station:
State Theatre of Ithaca

The Blind Spots

MegsRadio

Enter an artist or musical influence...

What is this?

For example: try **hip hop**, **piano**, **Gunpoets**, or **Bob Marley**.

Back

Submit Station

The Blind Spots

Animals

Events Map

Donate Music

About Us | Credits | FAQ | Terms | Media | Embed | Feedback

129

MegsRadio – Ithaca

megsradio.fm

MegsRadio.fm Ithaca

dougt@megsradio.fm

Station:
State Theatre of Ithaca

The Blind Spots

MegsRadio

pea

What is this?

Pearl Jam
Michael Franti & Spearhead
Peasant
Britney Spears
Burning Spear
european
peaceful
peace

Fo r **Bob Marley**.

Back

Submit Station

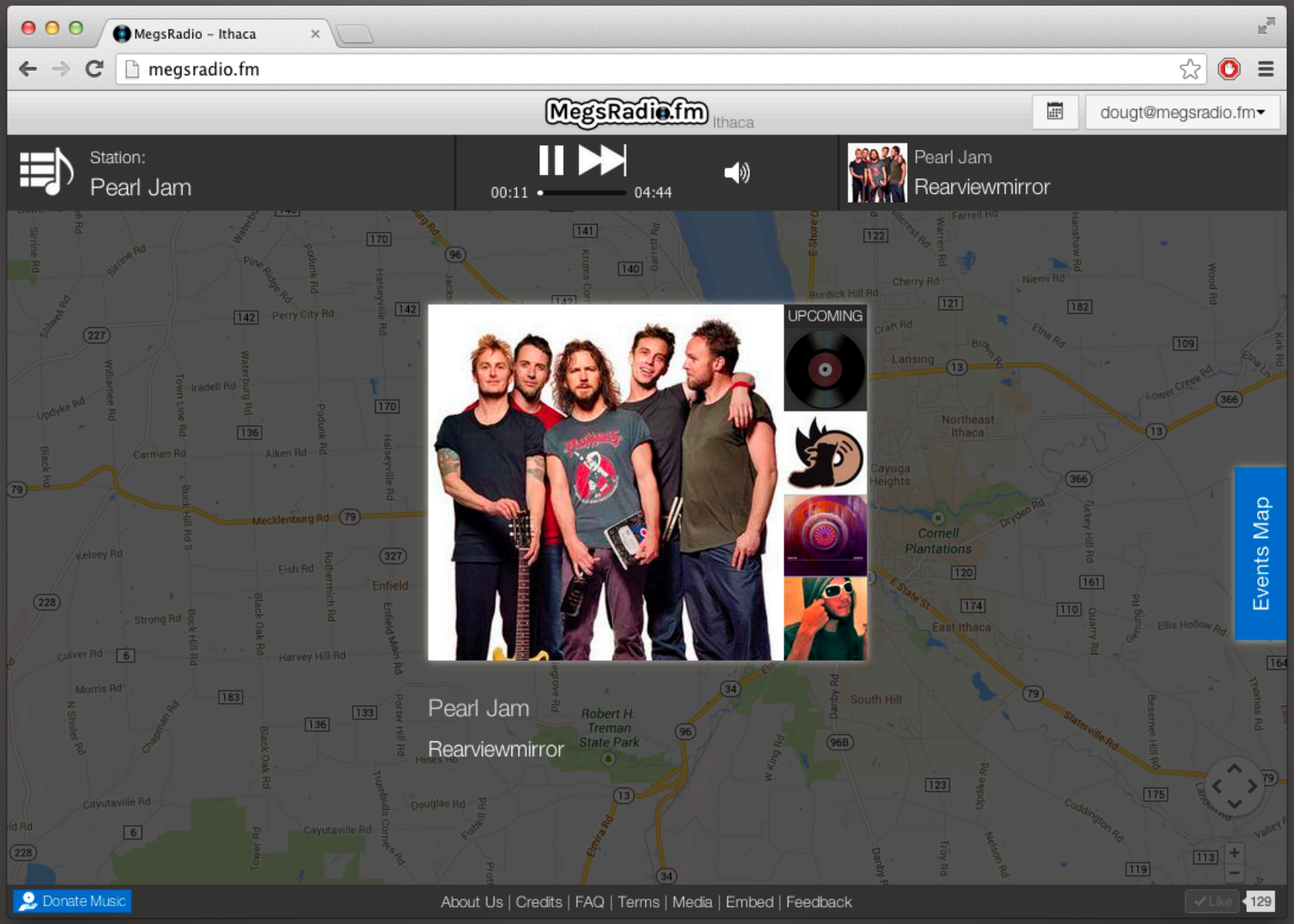
Events Map

The Blind Spots

Animals

Donate Music

About Us | Credits | FAQ | Terms | Media | Embed | Feedback


MegsRadio - Ithaca
megsradio.fm
MegsRadio.fm
Ithaca
dougt@megsradio.fm
Station:
Pearl Jam
00:11
04:44
Pearl Jam
Rearviewmirror
UPCOMING
Pearl Jam
Rearviewmirror
Events Map
Donate Music
About Us | Credits | FAQ | Terms | Media | Embed | Feedback
Like
129

MegsRadio - Ithaca

megsradio.fm

MegsRadio.fm Ithaca

dougt@megsradio.fm

Station:
Pearl Jam

00:16 04:44

Pearl Jam
Rearviewmirror

Create New Station... Sort by: Date A-Z

Pearl Jam

Add to station...

Current Influences:
Pearl Jam

State Theatre of Ithaca

Ithaca Music

Ithaca Venues

UPCOMING

Pearl Jam
Rearviewmirror

Events Map

Donate Music

About Us | Credits | FAQ | Terms | Media | Embed | Feedback

Like 129

MegsRadio - Ithaca

megsradio.fm

MegsRadio.fm Ithaca

dougt@megsradio.fm

Station:
Pearl Jam

Pearl Jam

Create New Station...

Pearl Jam

Add to station...

Current Influences:
acoustic × Pearl Jam ×

State Theatre of Ithaca

Ithaca Music

Ithaca Venues

Pearl Jam

Station Mix

More local music	Less	Some	More
Some popular music	Less	Some	More
Less songs repeated	Less	Some	More
Live vs. Studio	Live	Mix	Studio
Vocals vs. Instrumental	Vocals	Mix	Instrumental
Positive vs. Negative	Positive	Mix	Negative
Acoustic vs. Electric	Acoustic	Mix	Electric

Station Influences

Song Characteristics

Liked / New Discovery

Disliked / WTF Well That's Funny!

Done

Events Map

Donate Music

About Us | Credits | FAQ | Terms | Media | Embed | Feedback

MegsRadio - Ithaca

megsradio.fm

MegsRadio.fm Ithaca

dougt@megsradio.fm

Station:
Pearl Jam

Pearl Jam
Just Breathe

Create New Station...

Pearl Jam

Add to station...

Current Influences:
acoustic × Pearl Jam ×

State Theatre of Ithaca

Ithaca Music

Ithaca Venues

Events Map

Pearl Jam

Station Mix

Station Influences

Song Characteristics

Energy	Low	High
Tempo	Slow	Fast
Loudness	Quiet	Loud
Danceability	Low	High

Liked / New Discovery

Disliked / WTF Well That's Funny!

Done

Donate Music

About Us | Credits | FAQ | Terms | Media | Embed | Feedback

129

MegsRadio – Ithaca

megsradio.fm

MegsRadio.fm Ithaca

dougt@megsradio.fm

Station:
Pearl Jam

00:26 04:44

Pearl Jam
Rearviewmirror

Create New Station... Sort by: Date A-Z

Pearl Jam

acoustic

- Acoustic Syndicate
- Jerry Garcia Acoustic E
- Acoustic Hits
- Various Artists - Acoustic
- acoustic
- mixed acoustic and ele
- acoustic rhythm piano
- acoustic rhythm guitars
- acoustic guitar

thaca

UPCOMING

Pearl Jam
Rearviewmirror

Events Map

Donate Music

About Us | Credits | FAQ | Terms | Media | Embed | Feedback

Like 129

MegsRadio - Ithaca

megsradio.fm

MegsRadio.fm Ithaca

dougt@megsradio.fm

Station:
Pearl Jam

00:01 03:34

Pearl Jam
Just Breathe

Pearl Jam
Just Breathe

Events Map

Donate Music

About Us | Credits | FAQ | Terms | Media | Embed | Feedback

Like 129

MegsRadio - Ithaca

megsradio.fm

MegsRadio.fm Ithaca

dougt@megsradio.fm

Station:
Pearl Jam

02:37 03:34

Pearl Jam
Just Breathe

Current Song Tags

flute part

acoustic

vamping

grunge

WTF

UPCOMING

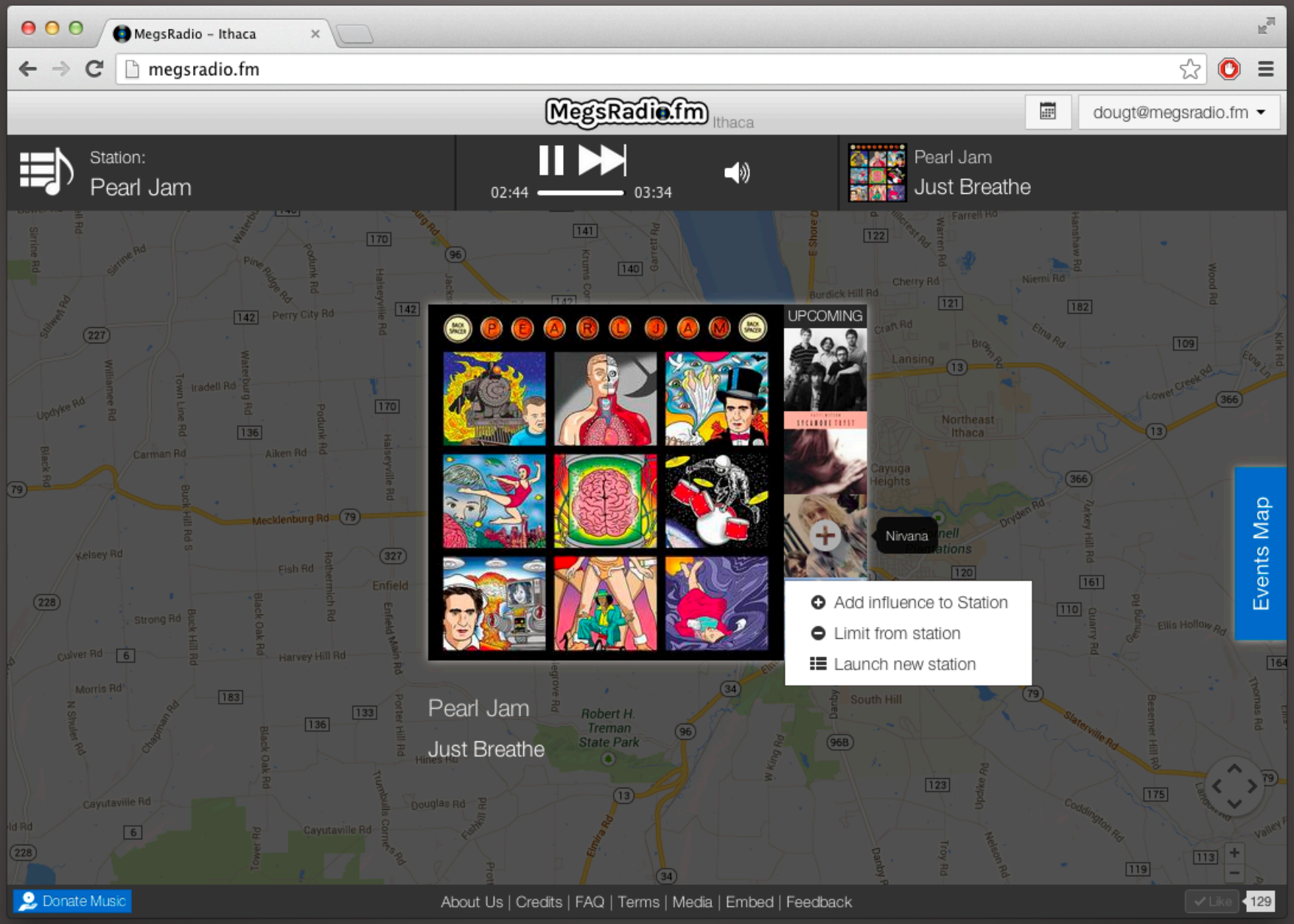
Pearl Jam
Just Breathe

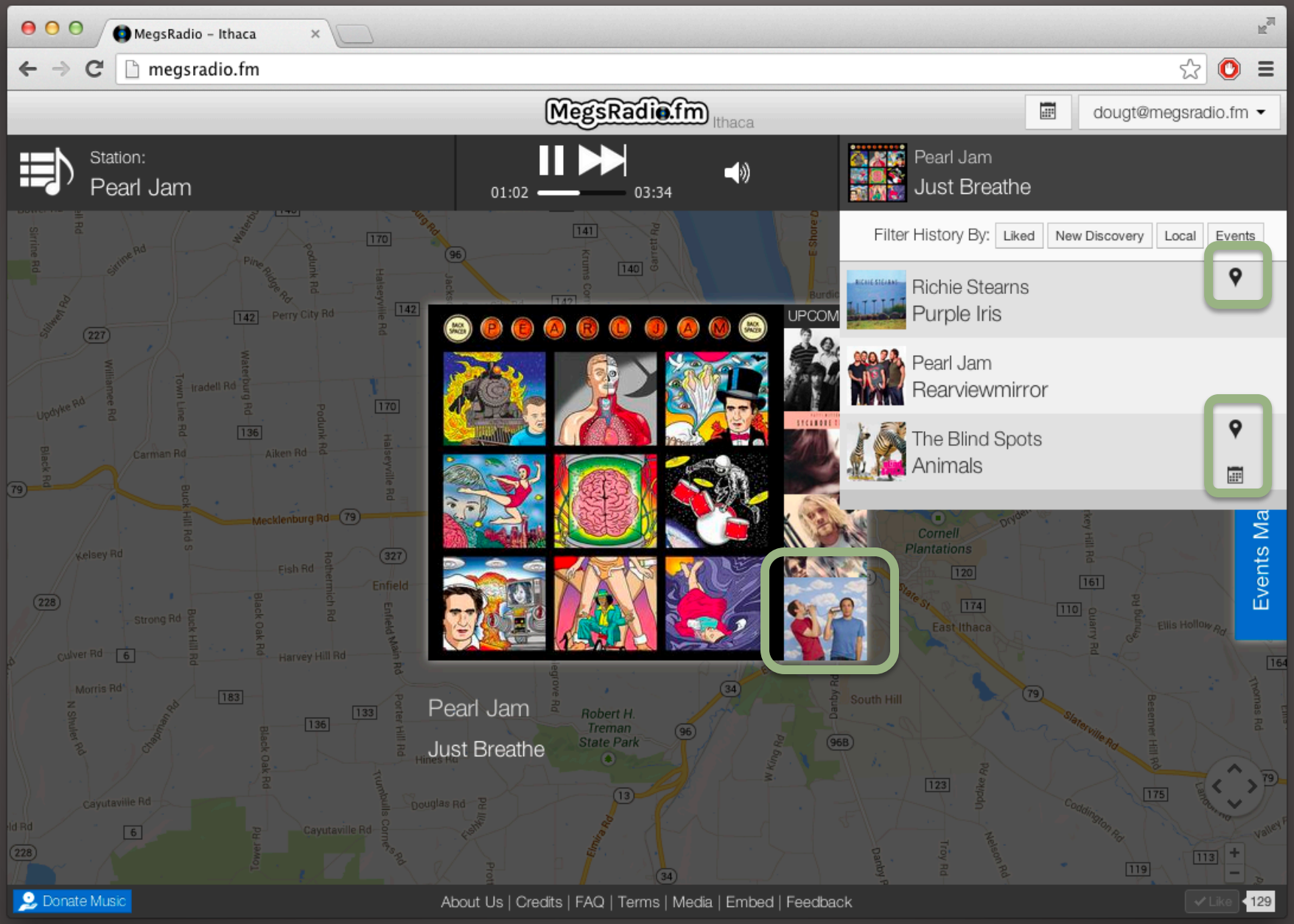
Events Map

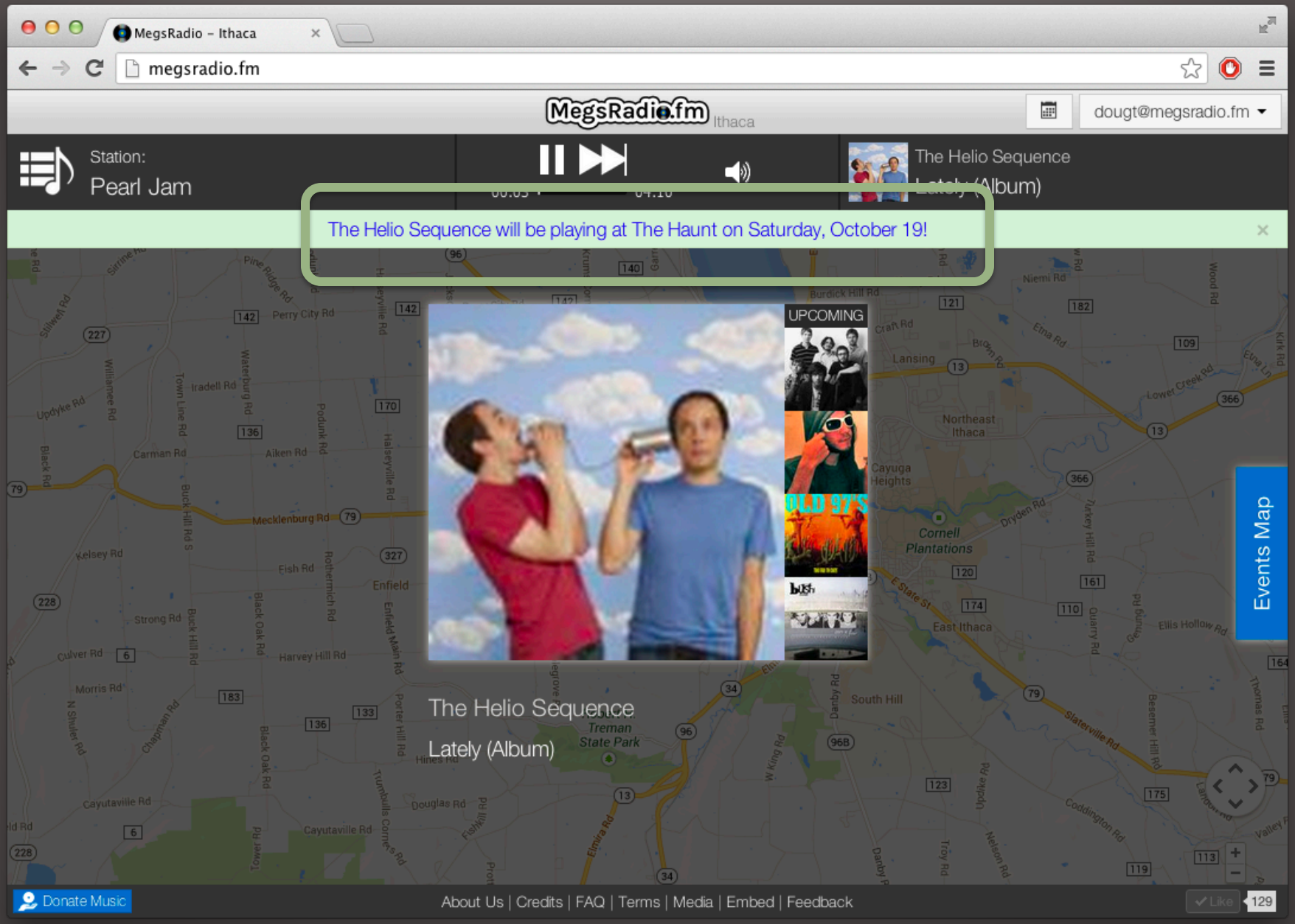
Donate Music

About Us | Credits | FAQ | Terms | Media | Embed | Feedback

Like 129


MegsRadio - Ithaca
megsradio.fm
MegsRadio.fm
Ithaca
dougt@megsradio.fm
Station:
Pearl Jam
02:44
03:34
Pearl Jam
Just Breathe
UPCOMING
Nirvana
Add influence to Station
Limit from station
Launch new station
Pearl Jam
Just Breathe
Events Map
Donate Music
About Us | Credits | FAQ | Terms | Media | Embed | Feedback
Like
129


MegsRadio - Ithaca
megsradio.fm
MegsRadio.fm
Ithaca
dougt@megsradio.fm
Station:
Pearl Jam
01:02
03:34
Pearl Jam
Just Breathe
Filter History By:
Liked
New Discovery
Local
Events
Richie Stearns
Purple Iris
Pearl Jam
Rearviewmirror
The Blind Spots
Animals
UPCOM
Pearl Jam
Just Breathe
Events Ma
Donate Music
About Us | Credits | FAQ | Terms | Media | Embed | Feedback
Like
129


MegsRadio - Ithaca
megsradio.fm
MegsRadio.fm
Ithaca
dougt@megsradio.fm
Station:
Pearl Jam
The Helio Sequence
Lately (Album)
The Helio Sequence will be playing at The Haunt on Saturday, October 19!
UPCOMING
The Helio Sequence
Lately (Album)
Events Map
Donate Music
About Us | Credits | FAQ | Terms | Media | Embed | Feedback
Like
129

MegsRadio - Ithaca

megsradio.fm

MegsRadio.fm Ithaca

dougt@megsradio.fm

Station:
Pearl Jam

02:08 03:34

Pearl Jam
Just Breathe

Upcoming Events:

Show Only | Date Range | Show Events At | Reset Events Map | Back To Player

Sort by: Date | Relevance

Showing 22 out of 29 upcoming events.

The Blind Spots www

The Haunt

Because you listened to The Blind Spots.

Start Station | I'm going! | I might go | More Info

Elvis Costello www

State Theatre of Ithaca

Because you've listened to Pearl Jam, who is similar to Elvis Costello.

Start Station | I'm going! | I might go | More Info

Jesse Dee www

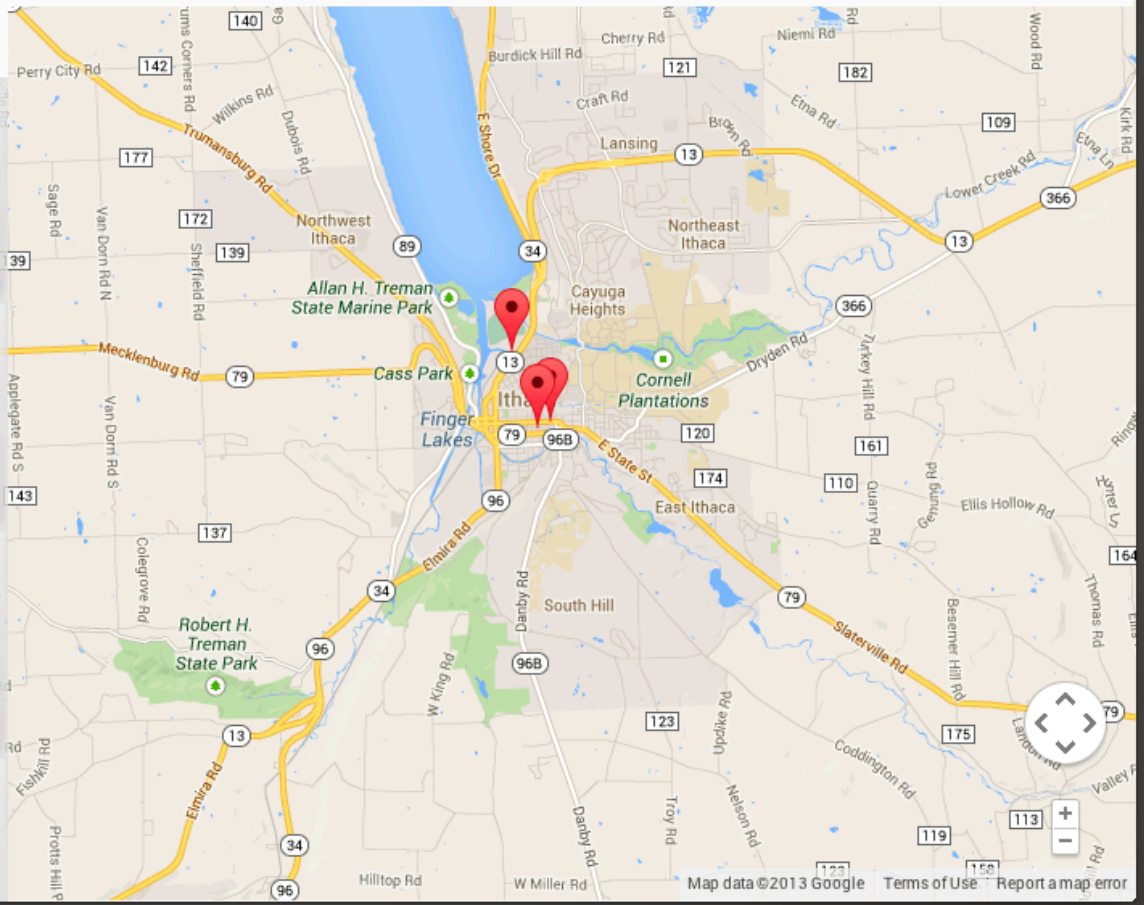
The Haunt

We do not have any data for this event for you.

Start Station | I'm going! | I might go | More Info

Tera Melos, Fang Island, Zorch (Sargent House tour) www

The Haunt



MegsRadio - Ithaca

megsradio.fm

MegsRadio.fm Ithaca

dougt@megsradio.fm

Station:
Pearl Jam

Pearl Jam

Credits

MegsRadio is the brainchild of **Doug Turnbull** at Ithaca College. It has been designed and developed through the efforts of many talented students and colleagues:

- **Kris Stensland** (UI & backend developer)
- **Alex Spirgel** (UI designer)
- **Andrew Horwitz** (Maps and playlist developer)
- **Alex Wolf** (UI developer)
- **Stephen Meyerhofer** (Security and system manager)
- **Justin Zupnick** (UI and UX designer)
- **Brian Dozoretz** (Local Music Expert)
- **Adam Peruta** (Design Guru)

- **Ashley Oudenne** (former UI developer)
- **Richard Roberts** (former backend developer)

The project has been influenced by many individuals including Perry Cook, George Tzanetakis, Luke Barrington, Gert Lanckriet, Damien O'Malley, Dan Ellis, Youngmoo Kim, Alex Perialas, Cass Barbour and Thorsten Joachims.

Back Story

Doug began envisioning such a system when he was an undergraduate researcher at the SoundLab at Princeton University in the late 1990s. The idea has been evolving as

Okay

Events Map

Donate Music

About Us | Credits | FAQ | Terms | Media | Embed | Feedback

JimiLab @ Ithaca

Doug Turnbull
Ithaca College