

# **Kara-boothie**

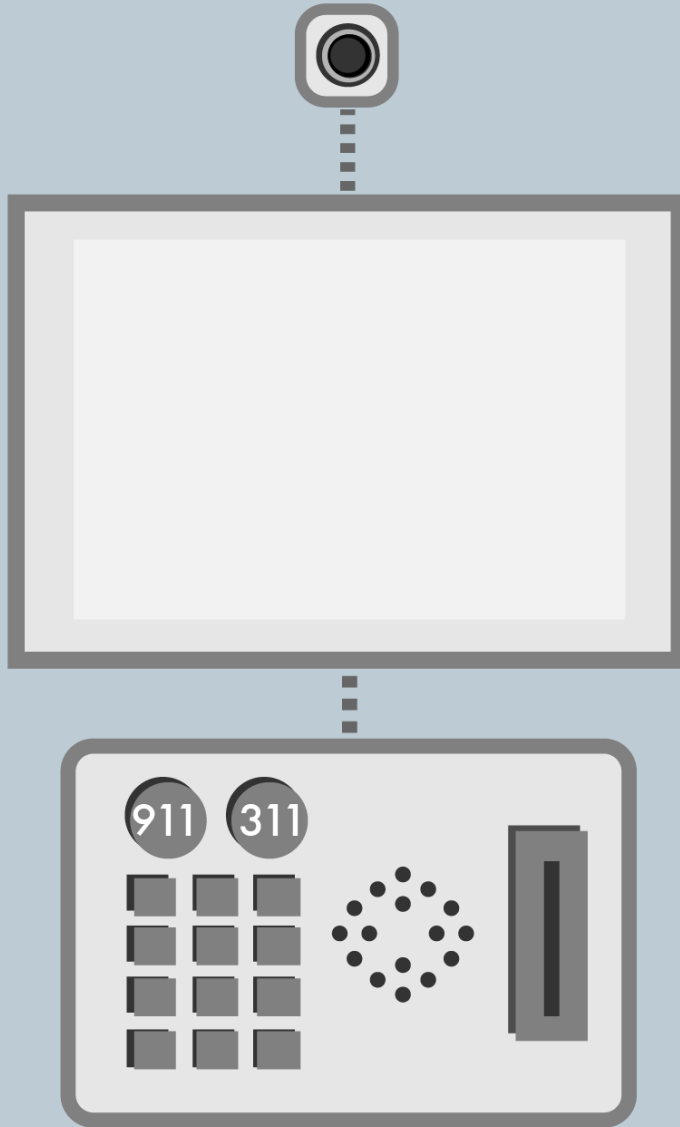
## **Reinventing Payphones**

Steve Bull  
Lynn Hu

# Design Philosophy 1

## Module Communication Interface

- Phone is the core with swipe card (no cash), speaker-microphone (no handset)
- Touchscreen
- Camera for both video call and 911 calls



Camera

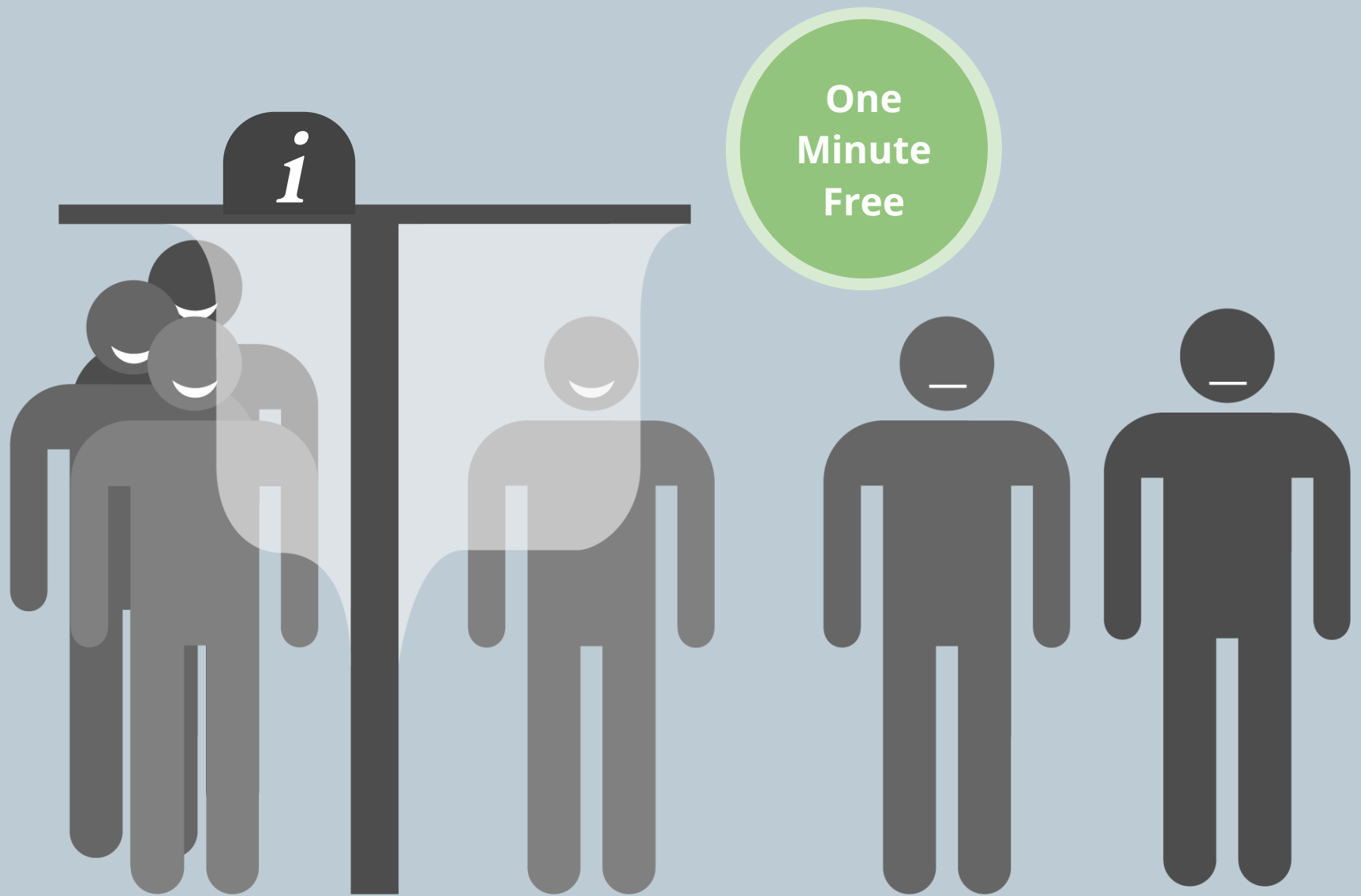
Touch Screen

Phone

- Dedicated 911 and 311 call buttons.
- Photo of caller made with all 911 calls.
- No handset and no cash removes to vulnerable breakage points in payphone usage.
- Reconfigurable by location need. Time Square with high volume of tourists gets all modules. Neighborhoods with less tourist traffic get fewer touch screens.

# Design Philosophy 2

Semi-private and private interior



Semi-private provides a possible small group interaction with touch screen. When the private phone interior occupied, phone calls can be made from semi-private side.

**We want it to be a good experience but we also want everyone to have access to it. Therefore we need to limit the time that one could use it for free.**

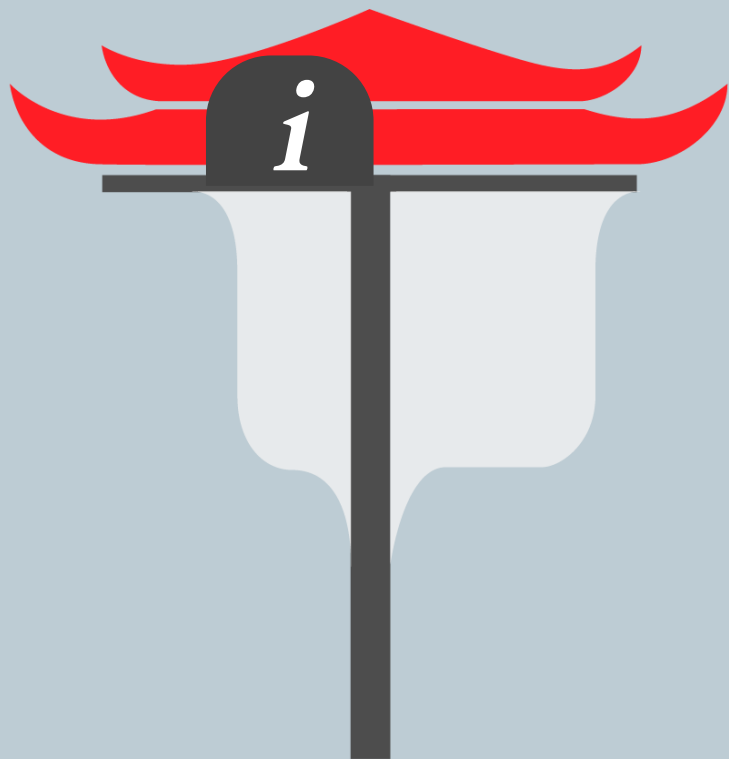
- Free one minute voice call is like a text message and it creates a communication discipline.
- Longer calls paid by card swipe, for examples locals calling home to Philippines, China or Guatemala or tourists wanting to avoid roaming charges calling friends and family back home.

# Design Philosophy 3

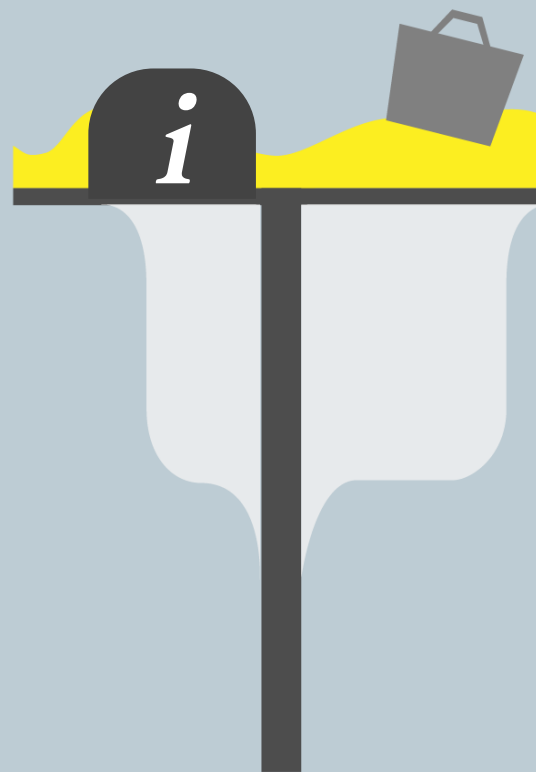
Neighborhood Customization - turn payphones into neighborhood attractions

- Exterior Silhouette: show neighborhood character
- Interior Design: showcase local art etc.





Chinatown



SOHO

# Phone Module

- **Free one-minute call**
- Longer calls with card swipe
- One-button 911 and 311 calls
- Service: Wi-Fi

# Touch Screen Module

Local:

- Events Calendar  
(NYTimes API)

Visitors:

- Map (Google API)
- What to do & where to go  
(NYTimes + Foursquare API)

**What else can we do with the  
standardized components of a  
payphone?**

**A payphone has a speaker...**

# Phone Booth?



# Karaoke Booth.



3 trials

Listen to your own recordings

"Email to myself" or "Publish"

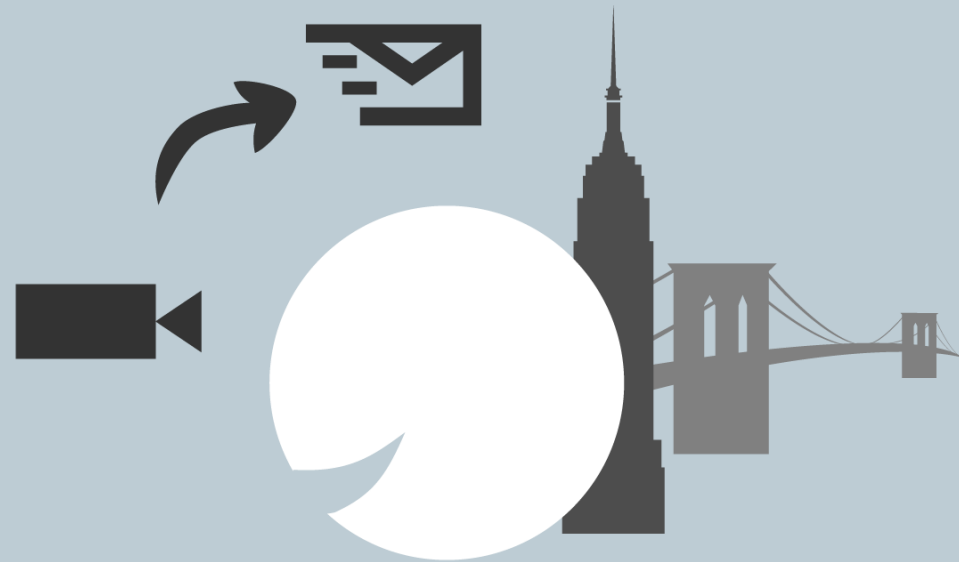
**Cameras are installed on some of the payphones to take photo of the emergency caller.**

# One Camera,

# two uses.



Emergency



Video Postcard

**In Time Square? Record a video for your family and keep a sample of the noises of Time Square. It's stamped and shipped by NYC payphones.**



**But the phone also functions as  
an information kiosk for both  
locals and visitors.**

# Events Calendar

## Announcements of local community board meetings.

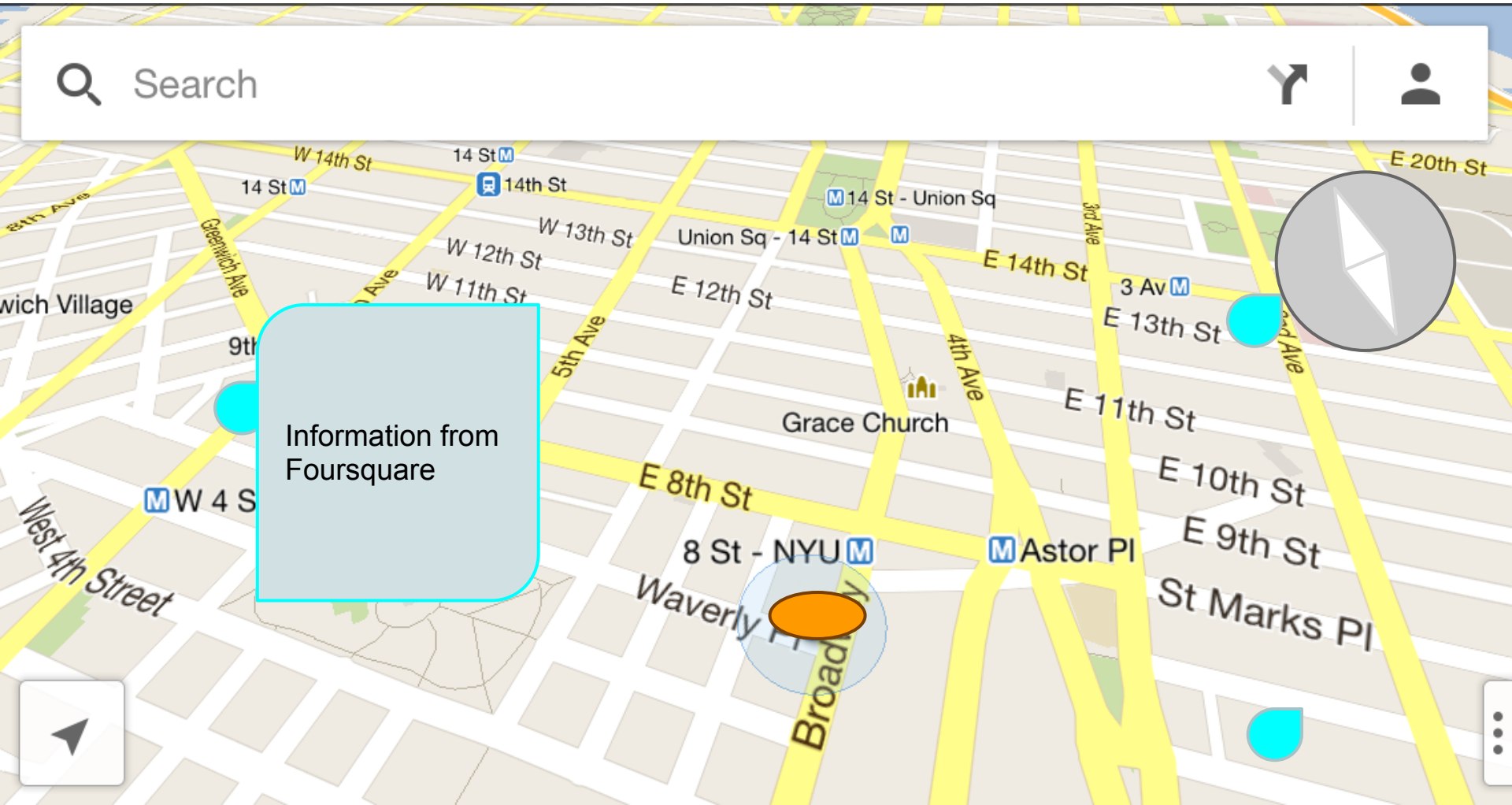
Today < > July 2011							Day	Week	Month	5 Days	Agenda	Print	Refresh
Sun	Mon	Tue	Wed	Thu	Fri	Sat							
26	27 Capital One Bill Due	28 Amazon Credit card payment	29	30 Paycheck 1p Meeting	Jul 1 2p work	2 10 work							
3 3p work	4	5 ATT Autopay \$75 2p work	6 2p work	7	8 2p work	9 10 work							
10	11 Change oil	12	13	14 Paycheck	15 Paypal Due	16 (10:00am) Bear Paw							
17 Bear Paw	18	19	20	21	22	23	+2 more						
24 Student Autopay \$60	25	26	27 Capital One Bill Due	28 Amazon Credit card payment Paycheck	29	30							
31	Aug 1	2	3	4	5 ATT Autopay \$75	6							

# Map

Never be lost

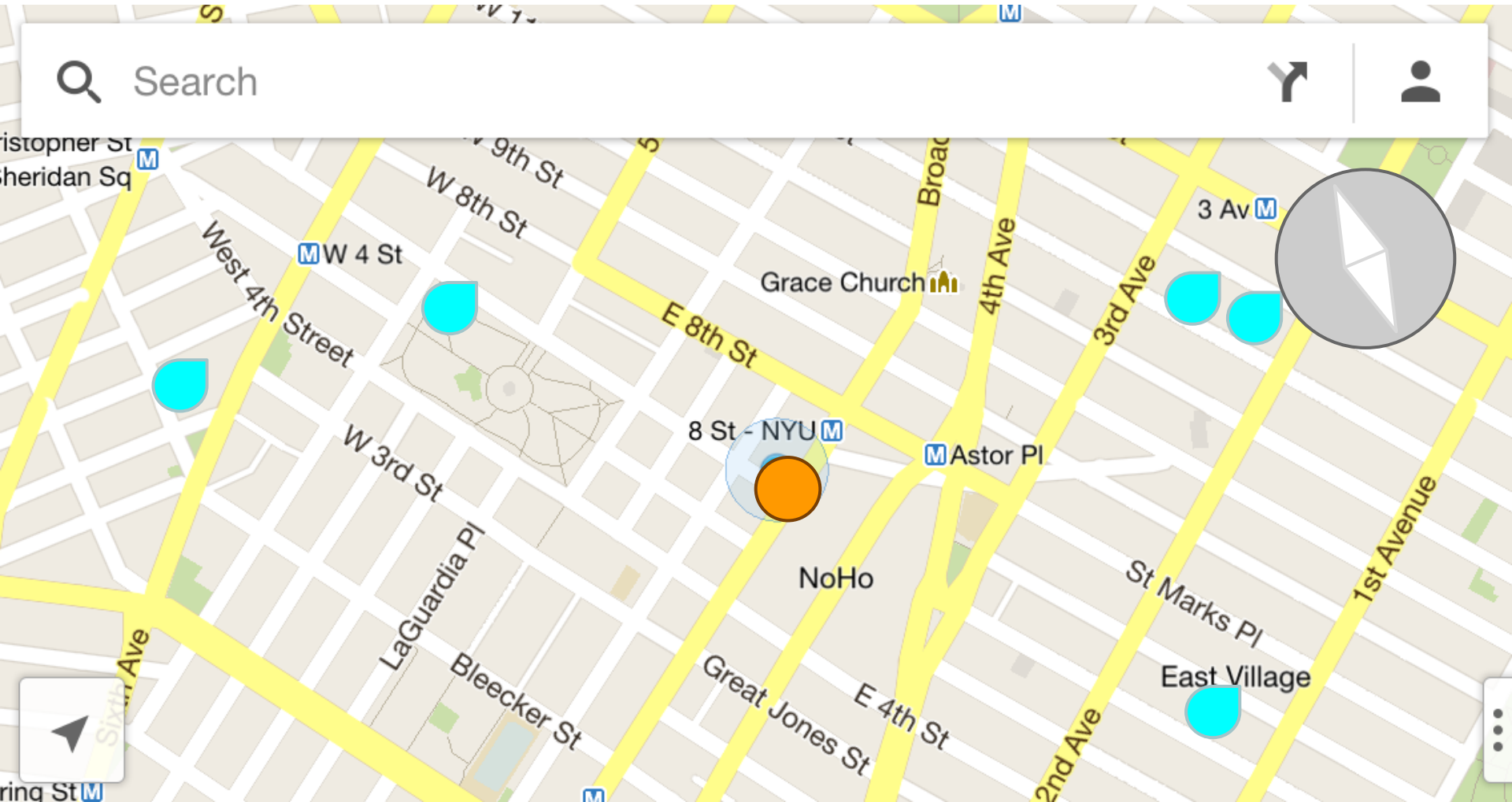
Discover events and attractions nearby

Screen view matches visitor orientation



# Map

Aerial view with POIs supplied by Foursquare



# View Augmented Reality Models



junaio

# Icons Provided by

Anand Nair

Christopher McDonnell

Luis Martins

Jonathan Keating

Scott Lewis

Stanislav Levin

from [thenounproject.org](http://thenounproject.org)

# Contact

Lynn Hu

lynn.yang.hu@gmail.com

Steve Bull

steve.bull@gmail.com