iOS Application Projects
-Navneeth Ramprasad

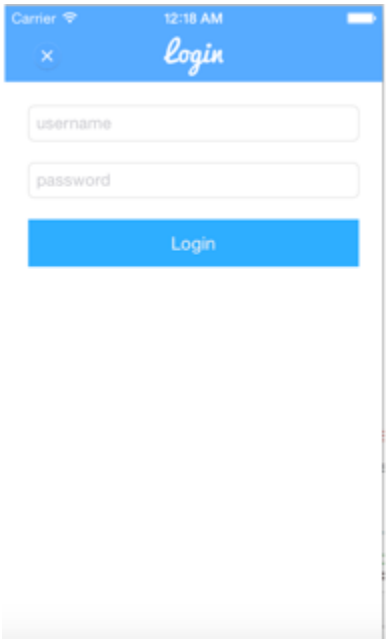
Below are some of my mobile application projects undertaken during university and internships at industries.

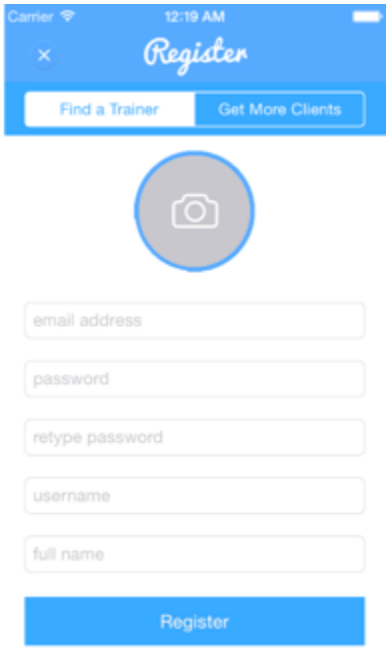
1. iOS Developer Intern at KidGenius, LLC, San Francisco, California

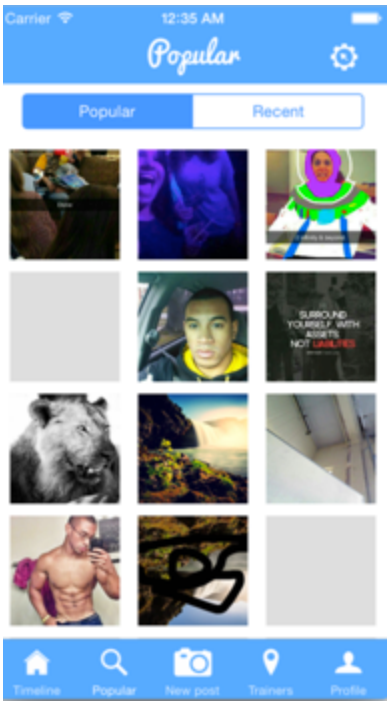
- Interned with the Core Engineering Team in building a consumer-facing mobile application on iOS platform with interoperability between Objective-C and Swift programming languages.
- Developed a Fitness application for iOS called Fitovate. This unique application allows users to find Fitness trainers, Yoga instructors, Pilates trainers and Sport specific trainers within a radius of 25 miles using the MapKit on iOS. It is a social media platform where users can interact with trainers and fellow users.
- Implemented cloud messaging facility using LayerKit and AtlasKit frameworks. The users can create groups and share audio, video and photos.

- **Technologies used**: Xcode, Objective-C, Cocoa Pods, AFNetworking, LayerKit, MapKit, CoreLocation, CoreGraphics, JSON, AWS and REST APIs

- Below are some of the screenshots of the app:


Carrier
12:18 AM
Login
username
password
Login


Carrier
12:19 AM
Register
Find a Trainer
Get More Clients
email address
password
retype password
username
full name
Register



2. Mobile Application Developer Intern at Symantec Corporation, Mountain View, California

- Designed and Developed an Indoor Positioning iOS application from scratch using Swift 2.0, IndoorAtlas API, GoogleMaps API and CoreLocation.
- The key features of this application are listed below:
- **Indoor Positioning**: The indoor positioning feature is implemented with IndoorAtlas API, which uses the magnetometer on the iOS device to sense the indoor magnetic field and match the data to an indoor position where the magnetic field has been pre-recorded.
- **Outdoor Positioning**: The outdoor positioning feature is provide by Apple's CoreLocation framework which uses the GPS and cellular chips on the iOS device to triangulate conventional position which is accurate enough when used outdoor.
- **Position Visualization**: The position visualization feature is implemented with the widely used Google Maps API. The indoor maps, a.k.a. floorplan images, are implemented as GMSGroudOverlay objects that are drawn on top of the Google map.

- **Technologies used**: Swift2.0, CoreLocation, IndoorAtlas, Position Visualization, Magnetic Geo-Positioning, Sketch 3.0 for designing and GoogleMaps iOS SDK.

- Below are some of the screenshots of the application:

Current building indicator
Shows user's current building.

Indoor/outdoor toggling button
: Indoor positioning off
: Indoor positioning on

Current floor number button
Selects the floor to position with.

View floor number button
View any interested floor.

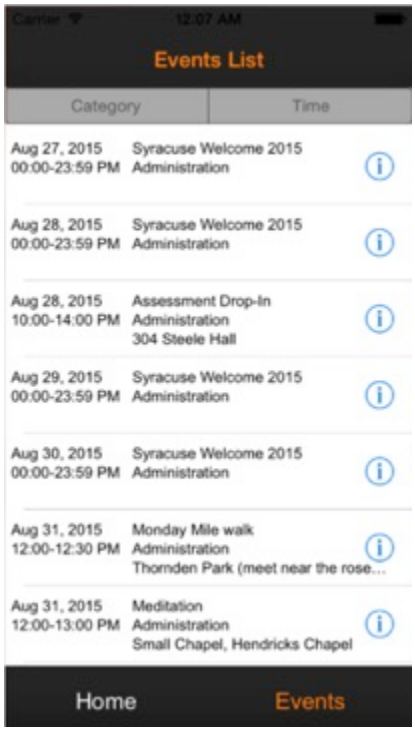
3. Graduate Research Assistant at Syracuse University, Syracuse, New York

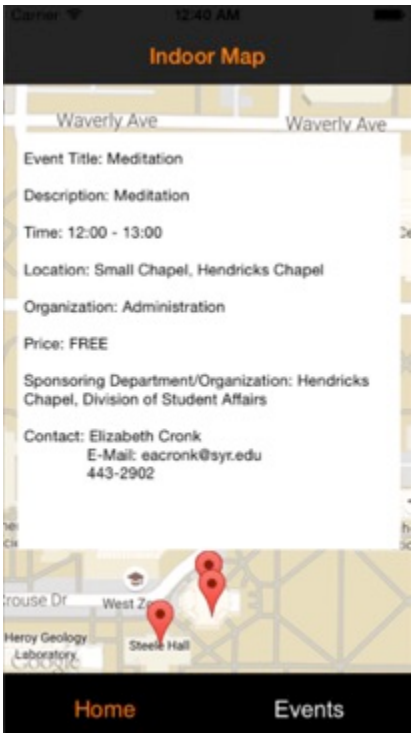
- Research and development on an event based iOS application using Objective-C for the students of Syracuse University.
- This application allows users to search events by keywords, categories, and dates.
- It also allows users to review event details and locate events on the map, users are able to add favorite events and make event remainders.

- **Technologies used**: Objective-C, CoreLocation, GoogleMaps iOS SDK.

- Below are some of the screenshots of the application:


Indoor Map
Newhouse
Schine Student Center
University Pl
Syracuse University
Syracuse University
Hall of Languages
Smith Hall
Tolley Hall
Crouse Dr
H.B. Crouse Hall
Eggers Hall
School of
Information Studies
Steele Hall
Physics Bldg
Home
Events


Events List
Category
Time
Aug 27, 2015
00:00-23:59 PM
Syracuse Welcome 2015
Administration
Aug 28, 2015
00:00-23:59 PM
Syracuse Welcome 2015
Administration
Aug 28, 2015
10:00-14:00 PM
Assessment Drop-In
Administration
304 Steele Hall
Aug 29, 2015
00:00-23:59 PM
Syracuse Welcome 2015
Administration
Aug 30, 2015
00:00-23:59 PM
Syracuse Welcome 2015
Administration
Aug 31, 2015
12:00-12:30 PM
Monday Mile walk
Administration
Thornden Park (meet near the rose...
Aug 31, 2015
12:00-13:00 PM
Meditation
Administration
Small Chapel, Hendricks Chapel
Home
Events


Indoor Map
Waverly Ave
Waverly Ave
Event Title: Meditation
Description: Meditation
Time: 12:00 - 13:00
Location: Small Chapel, Hendricks Chapel
Organization: Administration
Price: FREE
Sponsoring Department/Organization: Hendricks Chapel, Division of Student Affairs
Contact: Elizabeth Cronk
E-Mail: eacronk@syr.edu
443-2902
Heroy Geology Laboratory
Steele Hall
Home
Events


Events List
Category
Time
If no date or time is selected, events in the following 14 days are displayed on the HOME map.
Start Date:
July 26 2014
August 27 2015
September 28 2016
End Date:
August 9 2014
September 10 2015
October 11 2016
Save
Cancel
Home
Events

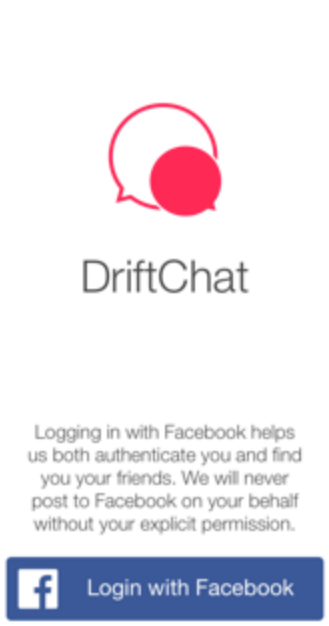
4. Academic Projects

a) DriftChat Messaging iOS application

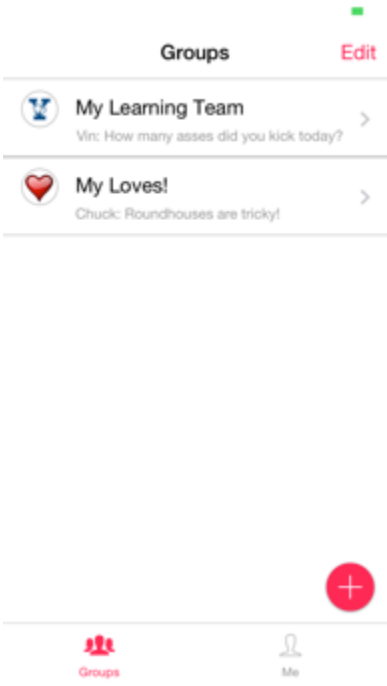
- DriftChat is the next logical leap in social messaging with the potential to fundamentally change how we engage in social networking itself.

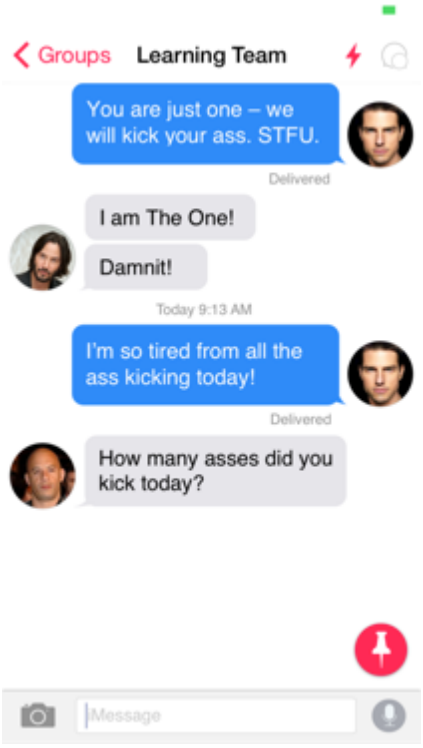
- **Technologies used**: Objective-C, LayerKit, Parse BaaS.

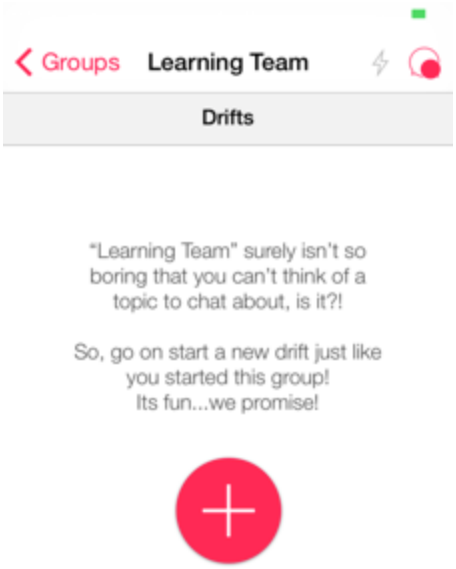
- Below are some of the screenshots of the application:




Groups
This place seems awfully empty!
DriftChat is a lot more fun with
your friends in here!
Let's get you started with your
first group, shall we?
Groups
Me


Groups
Edit
My Learning Team
Vin: How many asses did you kick today?
My Loves!
Chuck: Roundhouses are tricky!
Groups
Me


Groups
Learning Team
You are just one – we will kick your ass. STFU.
Delivered
I am The One!
Damnit!
Today 9:13 AM
I'm so tired from all the ass kicking today!
Delivered
How many asses did you kick today?
Message

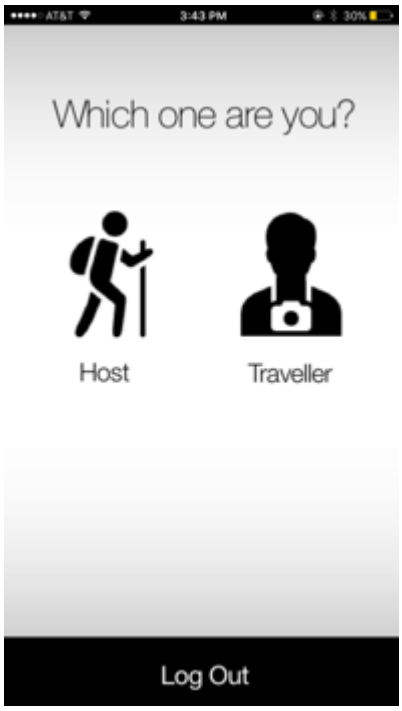

Groups
Learning Team
Drifts
"Learning Team" surely isn't so boring that you can't think of a topic to chat about, is it?!
So, go on start a new drift just like you started this group!
Its fun...we promise!

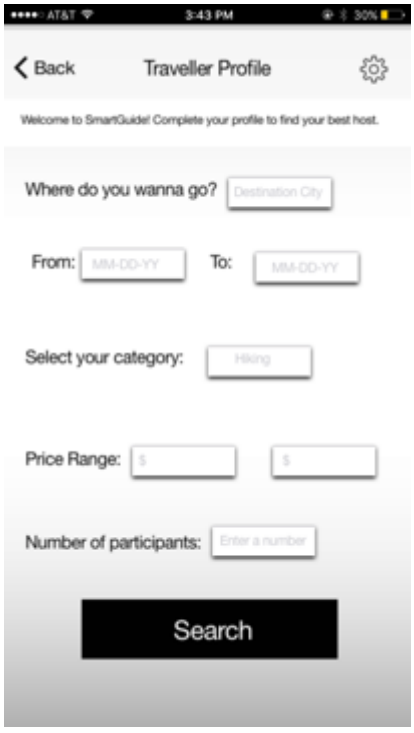
b) SmartGuide iOS application

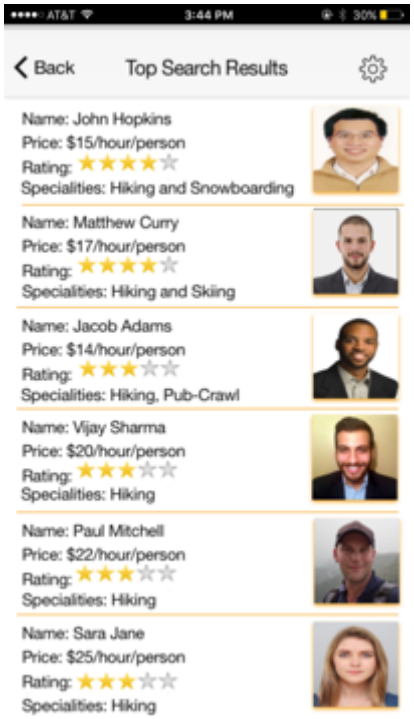
- A platform that enables people to get the most out of the places they visit, with the help of locals who create experiences for our users.
- Experiences are personalized and curated in order to give our users a unique view of the places they visit.
- "Experiences" are uniquely curated activities that our users can take part of when traveling.
- We want to break the old paradigm that people get stuck in while visiting a new place, rather than doing the top ten things on tripAdvisor or sticking to your tourist guidebook, we want to offer unlimited and unique activities to engage in.
- Experiences are created by our hosts but curated and vetted internally by our experience managers, in order to ensure that our users get the most out their destinations.

- **Technologies used**: Swift 2.0, GoogleMaps, Sketch Rapid Prototyping

- Below are some of the screenshots of the application:


AT&T
3:43 PM
30%
Which one are you?
Host
Traveller
Log Out


AT&T
3:43 PM
30%
Back
Traveller Profile
Welcome to SmartGuide! Complete your profile to find your best host.
Where do you wanna go?
Destination City
From:
MM-DD-YY
To:
MM-DD-YY
Select your category:
Hiking
Price Range:
$
$
Number of participants:
Enter a number
Search


AT&T
3:44 PM
30%
Back
Top Search Results
Name: John Hopkins
Price: $15/hour/person
Rating:
Specialities: Hiking and Snowboarding
Name: Matthew Curry
Price: $17/hour/person
Rating:
Specialities: Hiking and Skiing
Name: Jacob Adams
Price: $14/hour/person
Rating:
Specialities: Hiking, Pub-Crawl
Name: Vijay Sharma
Price: $20/hour/person
Rating:
Specialities: Hiking
Name: Paul Mitchell
Price: $22/hour/person
Rating:
Specialities: Hiking
Name: Sara Jane
Price: $25/hour/person
Rating:
Specialities: Hiking


AT&T
3:44 PM
30%
Back
Host Profile
Matthew Curry
15 Wall St, New York City, New York
About me
Hi all,
I'm Matthew Curry, a professional hiking guide since 2007. I'm an outdoor person and hence I'm doing this for a living. I have explored almost all the hiking trails in New York and I would love to re-visit them with you guys. I have a major in Business from NYU.
Reviews
1. Johnny Williams, Hiked with him during July 2014
Matthew is an amazing person to hang out with. I hiked with during the summer of 2014. He showed me a lot of hiking trails on the mountains of New York. He is friendly, jovial and has knowledge about a lot of things. I would love to hike with him again.
Book