

# IPRO 303



KALLEIDOS

NAVTEQ

**IPRO**

*It takes a team!*

INTERPROFESSIONAL  
PROJECTS PROGRAM

AT ILLINOIS INSTITUTE OF TECHNOLOGY

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# Statement of Intent

Creating an application that not only pulls data from the social web but also visualizes it in an aesthetically pleasing and useful way

# Goals of the Project

1. Build an application that pulls data from the social web



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Demo



# Goals of the Project

2. Visualize this data in a useful and aesthetically pleasing way



KALLEIDOS

# Main Page

Location :

Condo  
Price

Growth  
Rate

Rental  
Price

Standard  
of Living

Crime

Real  
Estate

Sales

Wish

Social  
Rating

# Areas with High / Low Crime Rates



## CRIME:

Where crimes have occurred in the city. Showing places to avoid.

Crime

Real Estate

Sales

Wish

Social Rating

# Know nearby sales while walking on streets



## SALES:

This shows where the sales are occurring throughout the city.

Crime

Real Estate

Sales

Wish

Social Rating

Know the sociability of an area



## SOCIAL RATING:

Shows you where large groups of people in one area of the city

Crime

Real Estate

Sales

Wish

Social Rating

# Wish for anything on a map



Crime

Real  
Estate

Sales

Wish

Social  
Rating

# Organization of the Team

+

Jim Burstein

**NAVTEQ**

TEAM LEADERS

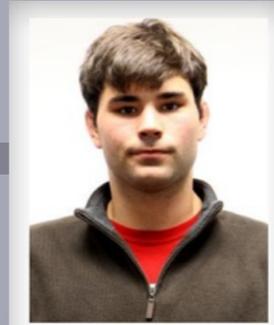


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*Mark Michael*

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*Marcos D. Arroyo*



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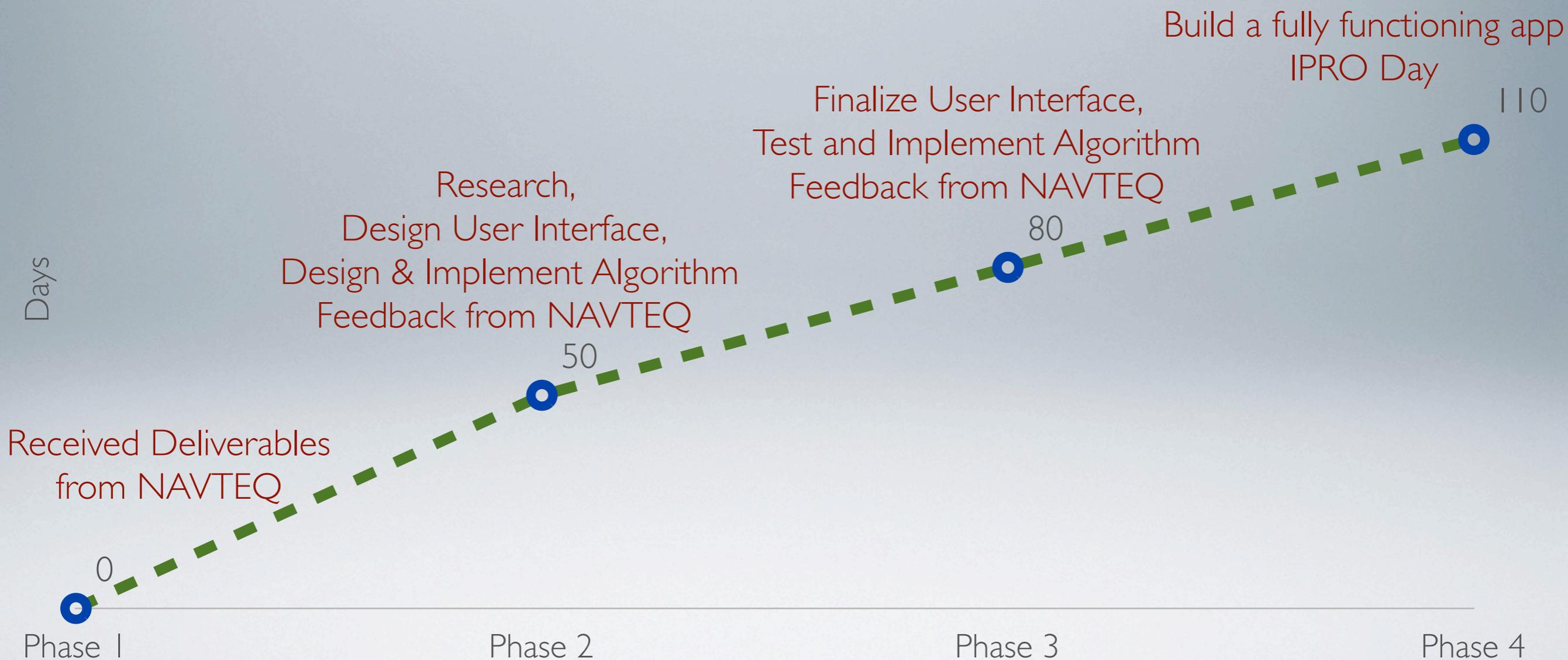


*Sujin Ri*



*Xiaochen Liu*

# Milestones



Milestones:

1. Developed a program that retrieved Tweets from Twitter in the form of JSON files, using their RESTful search API.

# Current Major Challenges

## Defining the Problem

- Data Organization; How to store data?
- Visualization; How to display data?

## Technical Challenges

- Pulling data from social networking websites
- Extracting useful information from the data pool

# Anticipated Major Challenges

- Extracting meaning from status updates
- Filtering most valuable and useful ideas from others
- Determining the most effective visual representation

Questions?