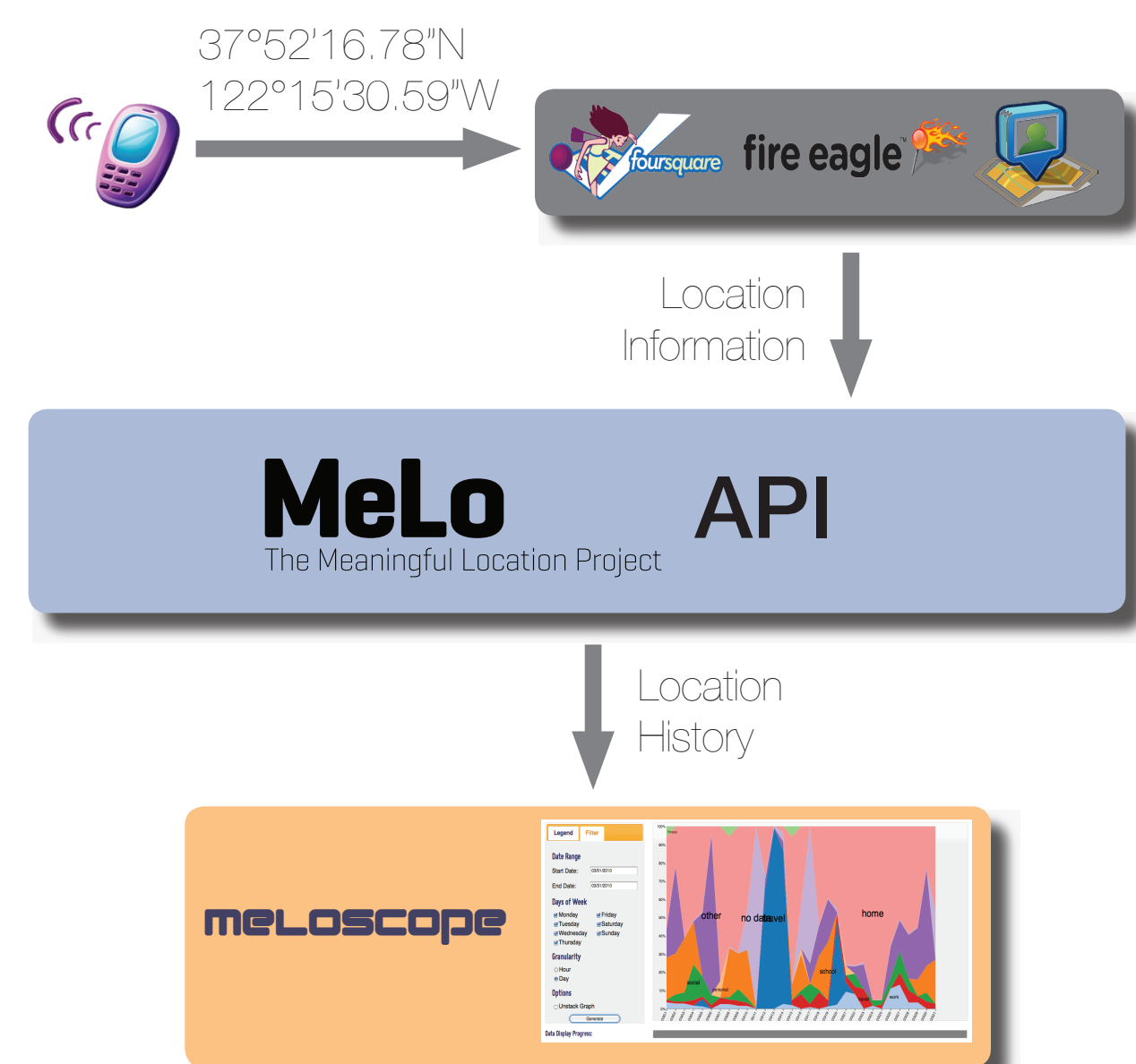# meloscope

a self-reflection app for **MeLo**
The Meaningful Location Project

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about meloscope

37°52'16.78"N
122°15'30.59"W

Location Information

MeLo API
The Meaningful Location Project

Location History

meloscope

MeLo is a platform that allows people to **annotate** their location information with **personal** descriptions.

meloscope aims to create **visualizations** that evoke **insights** about a person's **history and past behavior** based on his or her location history.

meloscope goes beyond geography, leveraging a person's **personal perceptions** of place as entered in MeLo, to create visualizations with **more meaning**.
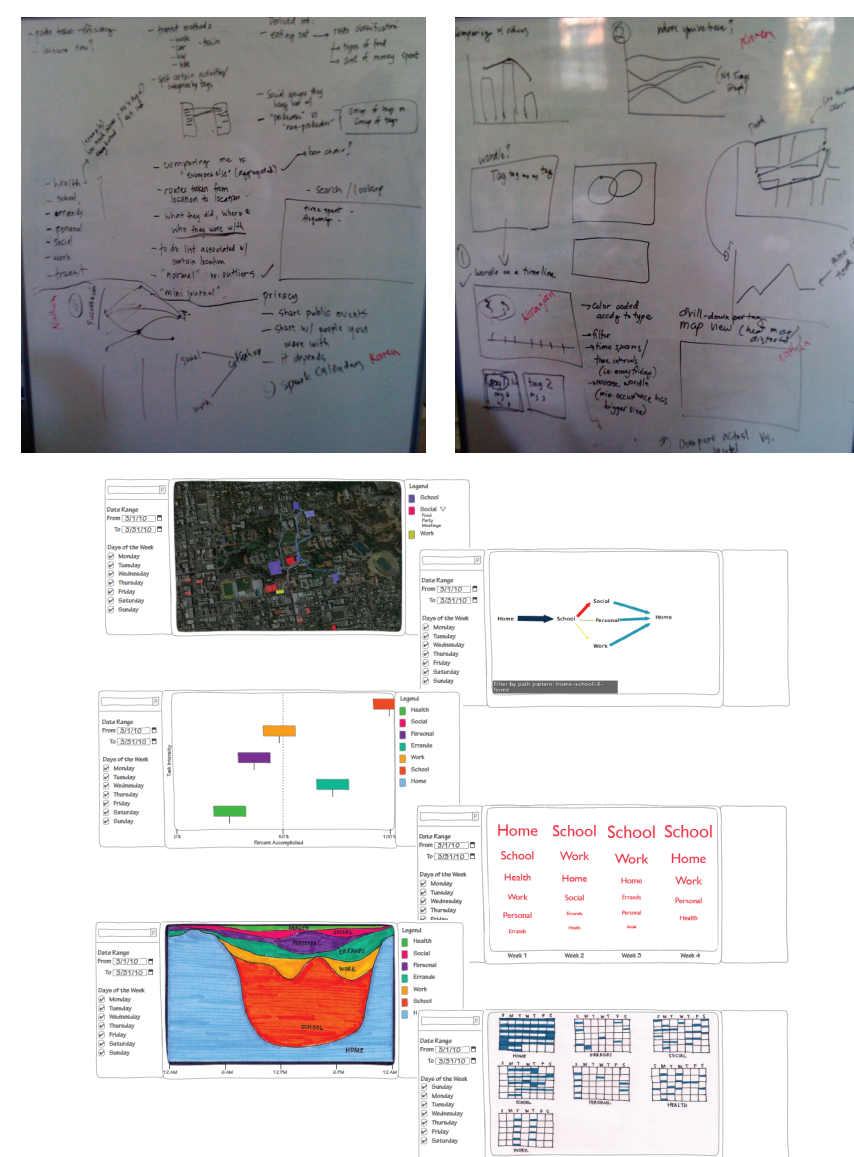
process

Initial User Interviews

What are my goals when I self-reflect?

1. **Comparing** personal history with others
2. **Normal** patterns vs. **Outliers**
3. **WHAT** I did, **WHERE** I was, **WHO** I was with
4. Comparing what I've done with **actual goals**
5. Routes / **Paths** taken from location to location

Brainstorming

6 initial visualization ideas:

- *map-based* viz using colors to denote categories (goal 2, 3, 5)
- *pattern viz* showing usual habits or patterns of going from one location to another (goal 2)
- *goals viz* showing actual time spent vs user goals (goal 5)
- *wordle-inspired viz* using font size as indicator of time spent in one category (goal 2, 3)
- *rivers viz* showing a person's usual day (goal 2, 3)
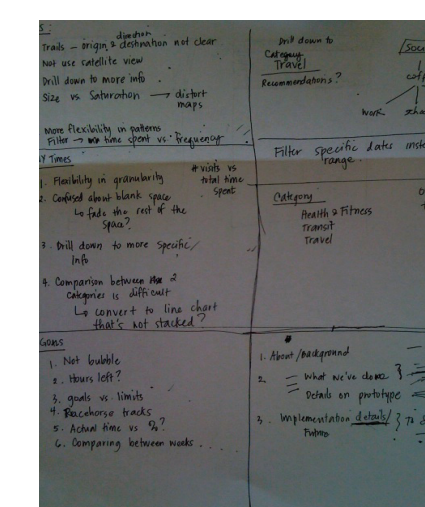- *spark calendars viz* showing where user's have spent their time (goal 2, 3)

User Interviews

- 3 visualizations that gave the most meaning:
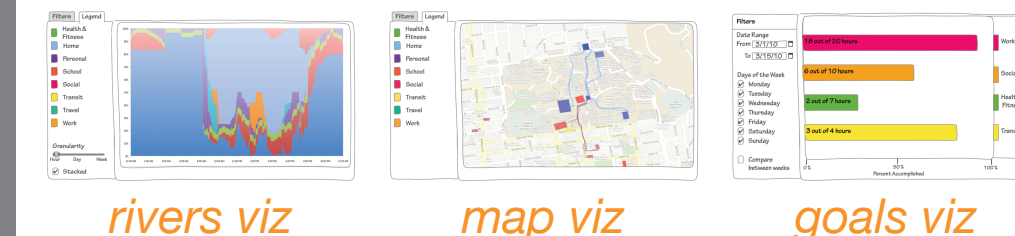
rivers viz   *map viz*   *goals viz*

- User feedback on prototypes:

  - aesthetics
  - additional interactions & filters
  - logical initial categories / defaults

the product

meloscope

username | home | my map | my normal day | my goals | settings | log out

main maps viz

hovering on paths or locations reveals more info

main stacked line graph

drilling down to sub-categories

unstacking the graph

main goals viz

comparing between weeks

user set-up for goals

user set-up for main categories