Guardian

Safer together

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Problem: unsafe streets for walking

Walking home at night is scary, especially in Berkeley.

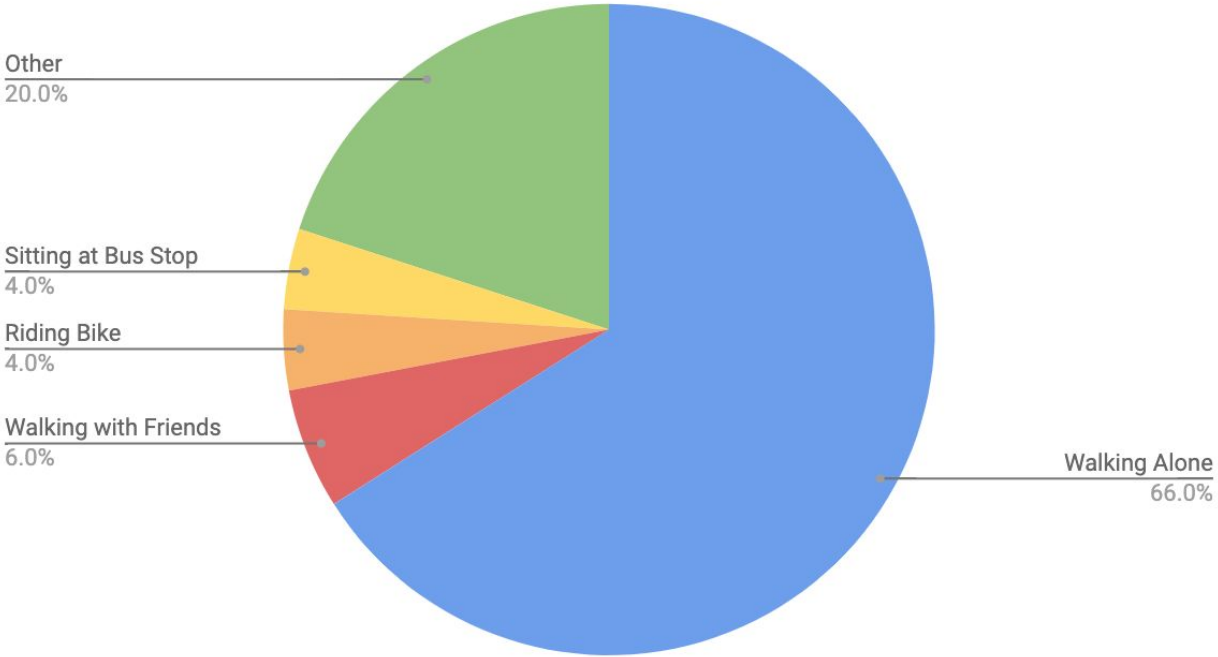
859

Cases of crime in Berkeley, September 2019 alone.

For many Cal students, unfamiliarity makes navigating the city difficult.

Safety comes in numbers

Percent of Pedestrian Robberies per Category in Berkeley



Source: Berkeley Police Department

Powered by

rideOS

Our solution

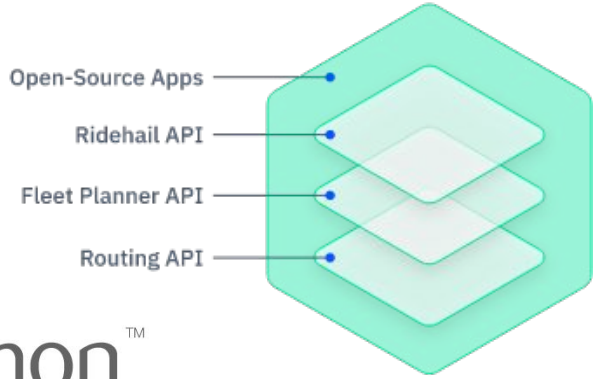
- Request a guardian to walk with in real time
- Avoid unsafe neighborhoods
- Find the safest route with past crime data via Berkeley Open Dataset

Tools and technologies

CITY OF BERKELEY

Android Studio

Ridehail + Constraint Api

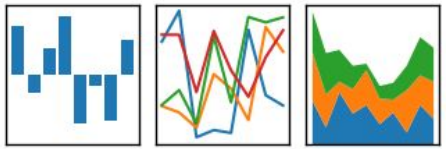


rideOS

python™

pandas

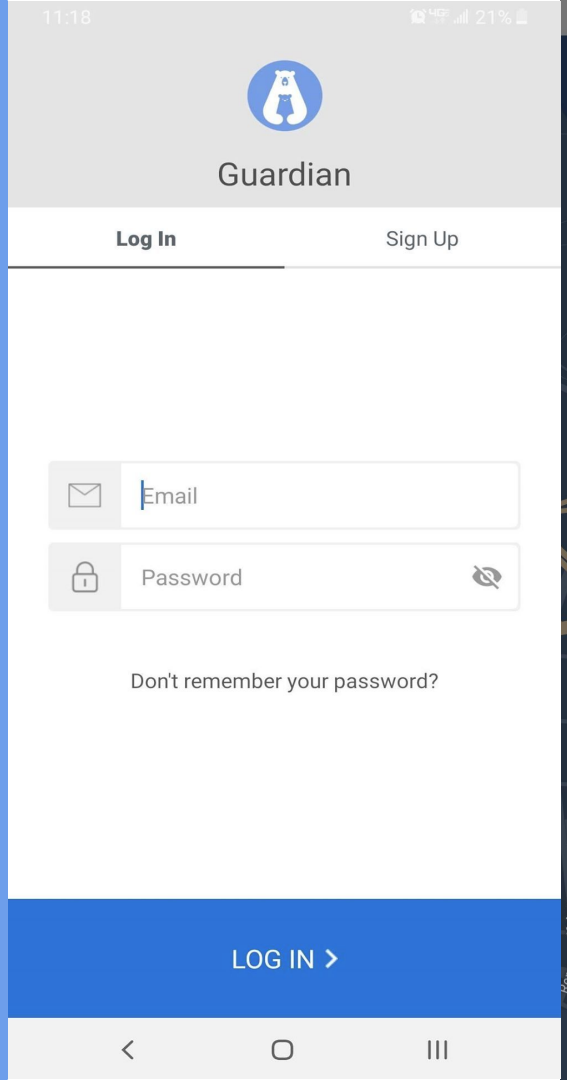
$y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$

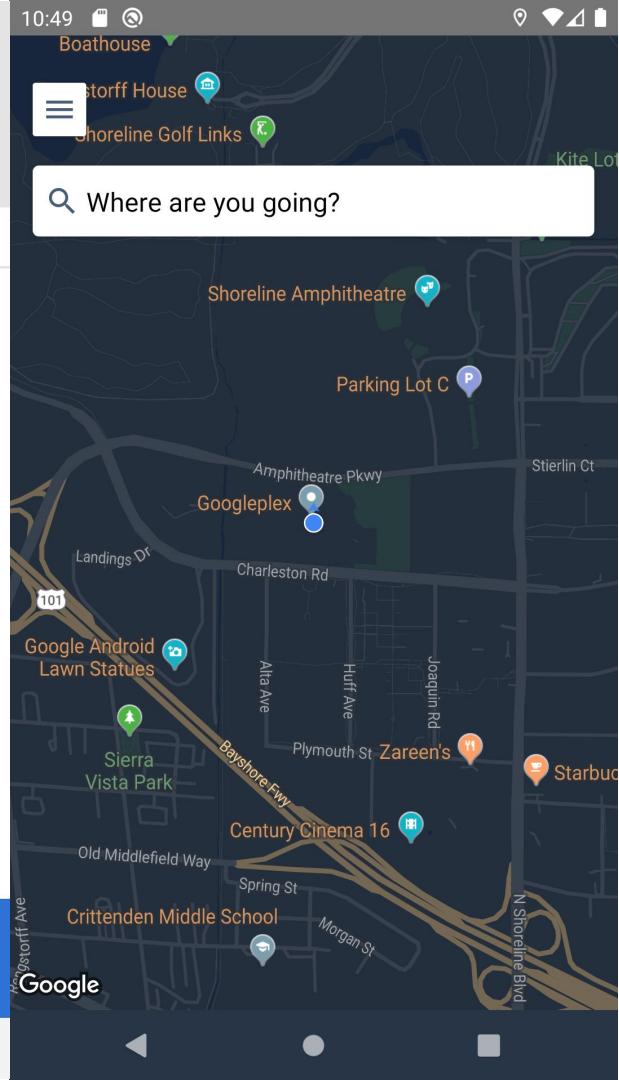


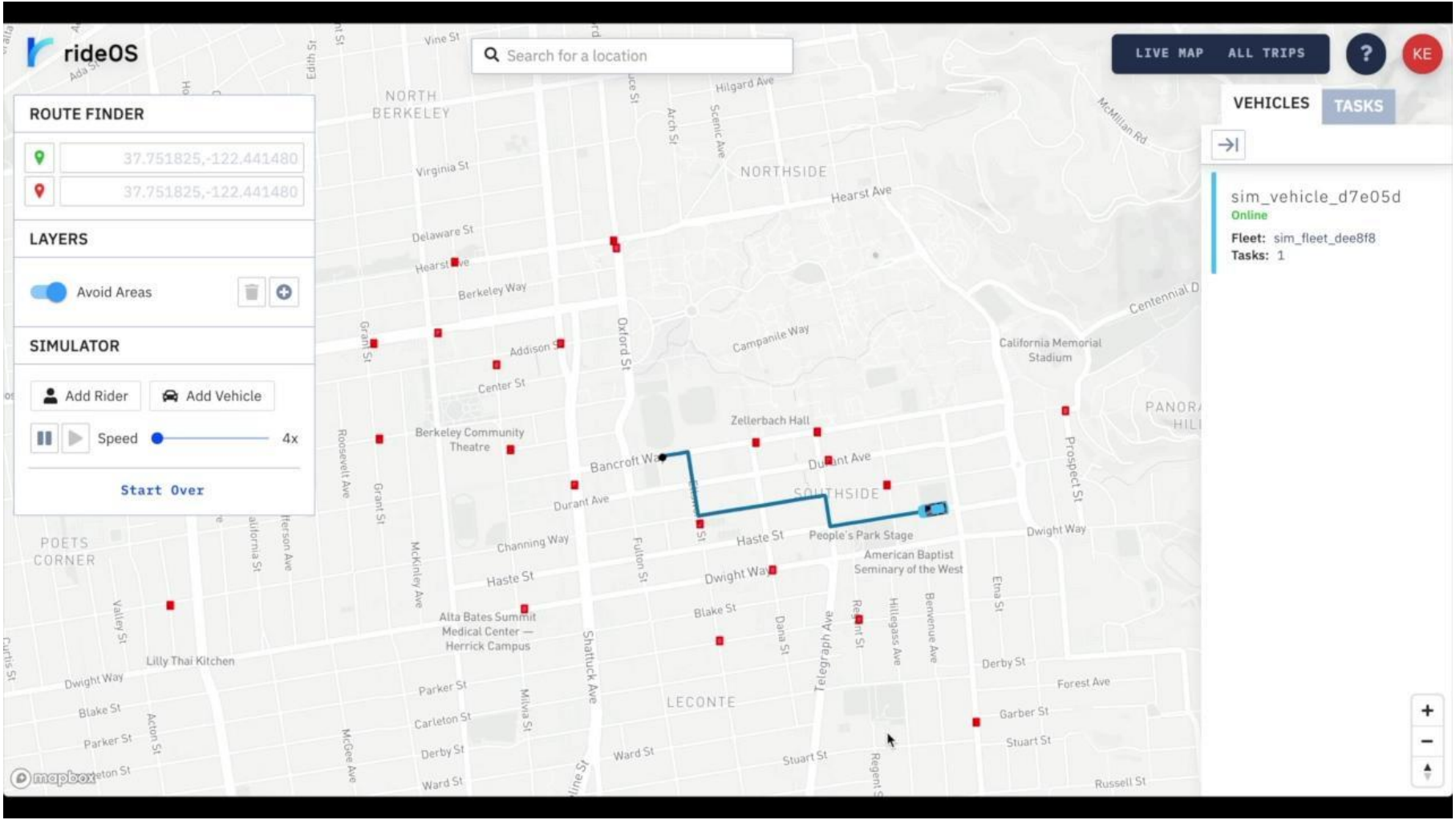
Google Maps API

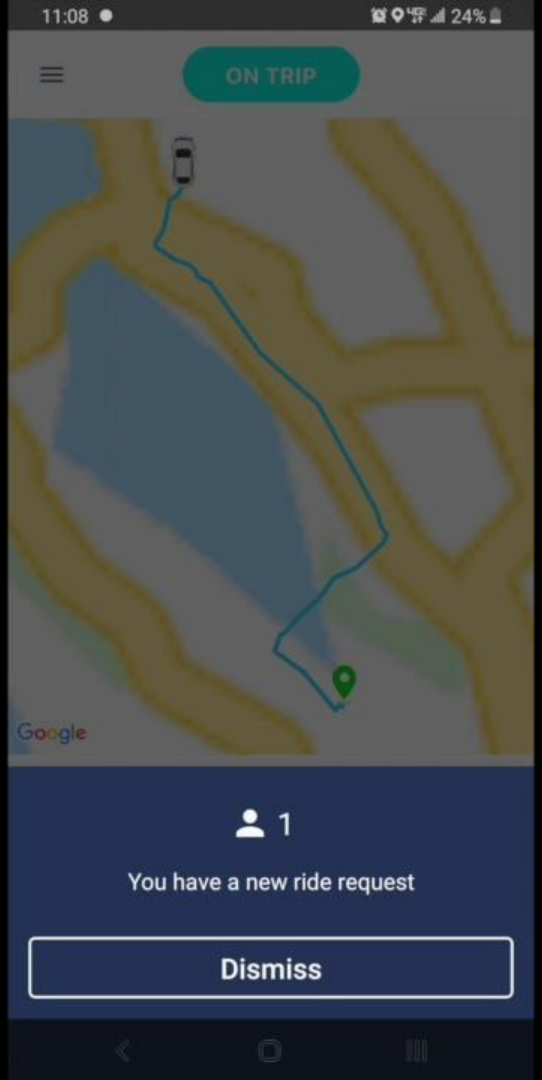
POSTMAN

Demo


11:18
Guardian
Log In
Sign Up
Email
Password
Don't remember your password?
LOG IN >


10:49
Where are you going?
Shoreline Amphitheatre
Parking Lot C
Amphitheatre Pkwy
Stierlin Ct
Googleplex
Landings Dr
Charleston Rd
101
Google Android Lawn Statues
Alta Ave
Huff Ave
Joaquin Rd
Sierra Vista Park
Plymouth St
Zareen's
Bayshore Fwy
Century Cinema 16
Old Middlefield Way
Spring St
Crittenden Middle School
Morgan St
N Shoreline Blvd
Google


rideOS
Search for a location
LIVE MAP
ALL TRIPS
KE
ROUTE FINDER
37.751825,-122.441480
37.751825,-122.441480
LAYERS
Avoid Areas
SIMULATOR
Add Rider
Add Vehicle
Speed
4x
Start Over
VEHICLES
TASKS
sim_vehicle_d7e05d
Online
Fleet: sim_fleet_dee8f8
Tasks: 1
NORTH BERKELEY
NORTHSIDE
SOUTHSIDE
LECONTE
POETS CORNER
Hearst Ave
Berkeley Way
Campanile Way
Zellerbach Hall
Bancroft Way
Durant Ave
Haste St
Dwight Way
Channing Way
Blake St
Parker St
Carleton St
Derby St
Ward St
Stuart St
Russell St
Garber St
Forest Ave
Derby St
Dwight Way
Berkeley Community Theatre
Alta Bates Summit Medical Center — Herrick Campus
Lilly Thai Kitchen
California Memorial Stadium
People's Park Stage
American Baptist Seminary of the West
Oxford St
Shattuck Ave
Telegraph Ave
Prospect St
Grant St
Roosevelt Ave
McKinley Ave
Fulton St
Dana St
Hillegass Ave
Benvenue Ave
Etna St
Milvia St
McGee Ave
Acton St
Valley St
Virginia St
Delaware St
Addison St
Center St
Hilgard Ave
Arch St
Scenic Ave
McMillan Rd
Centennial D
Vine St
Edith St
Ada St
mapbox


11:08
24%
ON TRIP
Google
1
You have a new ride request
Dismiss