Hike Buddy

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PROBLEM

- Only 10% of people hike
- New hikers discouraged
  - Amount of trails can be daunting
  - Difficulty unknown
  - Reluctance to hike alone
- No hiking progression

SOLUTION

- A Hike Buddy!
- Gives suggestions based on:
  - Hiker skill level (gamification)
    - Updates after every hike
  - Trail difficulty
    - Distance
    - Elevation gain
    - Steepness
- Suggestions improve over time with machine learning

DEMO

▶ Big Data from WTA database

METRO PARKS

- Increases
  - Activity engagement
  - Outdoor exposure
- Positive impact on communities
- Advertising opportunities
  - Equipment based on hiker skill level
  - National Parks/Travel
- Partner with State and National Organizations
- Scalable, portable

TECHNOLOGY

- ▶ Python
- ▶ MySQL
- ▶ Django
- ▶ AWS
- ▶ Firebase
- ▶ Android

FUTURE

- MetroParks data
- Map integration
- Facebook integration
- Pair hikers of similar skill levels
- Pull data from health apps for skill level
- National trail data

HIKE BUDDY