Programming an intelligent watch

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Navik - Cycling navigation, with smartwatch compatibility
Navik
Cycling navigation solution

Feature Highlights
● Offline Map
● Route planning
● Route analysis
● Turn-by-turn navigation

Intelligent Watch
● Turn display and vibrations
Why?

Universal Solution

- Low cost 💰
- Easy installation 🧵
- Generic device 🐱
- Offline 🚫

Expensive high end bike computer 🙀💰
Cycling Optimized Routing

- Prioritize cycling paths
- Waypoints
- Circular routing
- Import GPX
Route Analysis

Provides Useful Insight

- Elevation chart
- Distance
- Estimated time
Turn-by-turn Navigation

Mobile App

- Controls navigation logic
- Re-route if necessary
Turn-by-turn Navigation

Wear App

- Display next turn
- Vibration notification
  - when attention is needed
What could be done next...

1. Save and Load
2. iPhone and Apple Watch
3. Online Community