**MHacks 11**

**Plan**

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| **Task** | **Description** | **Person** |  |
| Get data from Polaris | 1. Sign NDA 2. Copy onto USB | All | DONE |
| Parse data from Polaris | 1. Read JSON file 2. Store in readable format in program/make easily accessible | Jon | DONE |
| Create app backend with Firebase | 1. Talk to Firebase 2. Develop structure, users, data, updates, etc. | Paul | IN PROGRESS |
| Create Google Maps/Earth API with Cloud Platform | 1. Talk to Google 2. Figure out how to use API’s | JD/Jon | IN PROGRESS |
| Plot each ride (points) with Google Maps/Earth API | 1. Plot each ride in a different colour? 2. Sort by date? 3. Only have a few highlighted? |  |  |
| Create average speed map? | 1. Find differences in time and distance 2. Calculate speed 3. Plot speed using different colours? |  |  |
| Create weather map? | 1. Get Google Maps Weather API 2. Create layers showing previous weather with route |  |  |
| Give terrain information using Google Maps/Earth API? | 1. Find coordinates 2. Determine characteristics 3. Display characteristics |  |  |
| Sort by location and date | 1. Geofence? 2. Determine which route was where 3. Sort accordingly |  |  |
| Have user select a route to display | 1. Detect input from user 2. Select route 3. Highlight route in different colour 4. Display route information |  |  |
| Use Google Maps/Earth API to pull relevant pictures | 1. If possible, not sure if there will be enough photos? 2. Store photos/have them accessible |  |  |
| Use Google Cloud Platform AI Vision to find relevant keywords | 1. Search photos for things 2. Look up things that might be interesting |  |  |
| Snapchat Spectacle integration? | * Taking and uploading photos * Dropping pins |  |  |
| Twilio integration? | * Chat functionality? |  |  |