

**Name of Student:** Christopher Burge

**Name of Project:** Trail Stewardship Reporting Application

**Project's Purpose or Goal:** This application will allow a way for mountain bike advocacy groups across the state of Oregon to accurately track and record volunteer hours and trail-building efforts. It will aggregate this data to be used as a reporting tool for Oregon Mountain Biking Coalition and other state-wide member trail organizations.

**Minimum Features/Goals of Application:**

- A form to fill out trail work day stats
  - Ability to edit entries
  - Ability to view entries
  - Ability to delete entries
  - Ability to search entries
- Login View
  - Ability to stay logged in
- User Account View
- A cloud-based database for hosting the data

**Tools/Frameworks/Libraries:**

- JavaScript/React Native
- Expo
- Firebase
- React Native Material UI - for styling

**Future Goals:**

- Ability to run reports
- A UI for desktop for analytics
- Able to use offline and upload when service is available
- Remember user's preferred trail location
- Access to device's camera for photo logging

**Additional Tools:**

- \*\*Unknown at this time\*\*

**Tracking Parameters:**

- Entry Title
- Name
- Date
- Contact
- Hours
- Club/Member Organization
- Land Manager
- Trail Name
- Region
- Miles
- Miles Reclaimed
- Tools/Equipment Used
- \*Notes\*