



**Michigan  
Technological  
University**

College of Computing

Computer Science Department

CS3141 Team Software Project

Spring 2022

**Team Software Project proposal**

Section: R02

Team #: 13

Roll#	Student name	position
20	Patrick Ogden	Scrum master
16	Ethan Jones	Developer
17	Zora Jovicevic	Developer
18	Andrew Koman	Developer
19	Hunter Malinowski	Developer

Project name/title: Keweenaw Exploration

Instructor name: Serein AL-Ratrout

➤ Project introduction and description:

Our plan is to create a website for finding lesser-known Keweenaw recreation places to explore. This will make it easier to discover interesting places to explore like waterfalls or abandoned buildings.

➤ Problem statement

The problem we plan to address is that it is hard to find cool spots to explore in the Keweenaw without prior knowledge spread by word of mouth because many locations do not show up on a map. There are also many locations that are hard to access without a proper off-roading vehicle, and it would be nice to know that before getting there.

➤ Proposed solution:

We plan on solving the problem by designing a website which provides information about these places. This site will display information about each location and link to its location in google maps. The locations will be categorized by types such as: mine, beach, waterfall, etc. The site will also include information about what type of car is required in order to get to the locations.

➤ Tools:

Development of the code will occur using each developer's preferred IDE. The repository will be published on GitHub. The website will be hosted on GitHub pages. Progress will be tracked using Jira. UI design will be completed using Figma. We will use Vue.js for the front-end framework with a Go REST API. The only hardware needed for development is a decent computer for each developer, which we all have.

➤ Constraints and challenges:

We think that the main issues we will run into are the issues of a lack of time and time conflicts given all of our busy schedules. For example, we are unable to have a standup meeting at the same time every day due to conflicts, so we will have to meet at a different time every day.

➤ The expertise of the Team Members

All team members have adequate knowledge to contribute to the development of this project. We each have our own preferred areas of development which will allow all of us to work on components of the project that most interest us.