# A Smartphone App to Learn Road Quality

## PROJECT DESCRIPTION

The primary goal in this project is to develop an Android-based app that cyclists will use to acquire data about the roads they use, such as when they use them, the weather at the time of use, their speed, road inclination, vibration (e.g., quality of the road) and others. The idea is that this data will be made open so that city planners can use them to identify roads based on their usage, quality, etc, and others can build apps that can use them for other objectives. The app will need access to services such as map providers, weather services, etc. While the user interface itself is not the main concern, the app needs to have an interface that will allow users (data providers) to benefit from their own data gathered much like some fitness apps nowadays, where one can log his/her own activities.

## FACULTY-DEPARTMENT

Science - Computing Science

## DESIRED FIELD OF (STUDENT) STUDY

Computing Science - Excellent coding skills with (verifiable) experience in app development using Android OS

## INTERNSHIP LOCATION

University of Alberta Main Campus - Edmonton

## NUMBER OF INTERNSHIP POSITIONS

1

## INTERNSHIP START DATE

January 8, 2018

## INTERNSHIP END DATE

April 2, 2018

## ARE THE DATES FLEXIBLE?

No