**Computer Science Senior Project May 2017 Proposal**

**Project Name: Norse Horse**

**Project Idea:** Project idea comes from one of the main struggles of student life at Luther, especially international students. Transportation has long been a major issue for students at Luther who do not own cars or have any easy means of getting around.

As International Students at Luther, this issue is a common occurrence from which we have suffered. A few examples of such times are when one is faced with emergency situations to get to places like hospitals and airports, as well as many other destinations.

**Solution:** The idea of Norse Horse aims to solve this problem by linking students up with other students (Peer-to-Peer) who have easier means to get around in a more economic way, as well as convenient in terms of time and availability. This project will simplify the life of many students by reducing dependency on local transportation systems which tend to be either too costly for International students (ambulance) or unavailable at times. At the same time, it will equally benefit the provider of the driving service because they do not have to pay anything from what they get paid for the service.

We are going to develop an application that allows users to send a ride request to other approved users who are registered on the app as drivers. Drivers will also have the ability to post riding opportunities to which people who need rides can respond. Drivers and riders will negotiate service rates based on a number of criteria such as distance, timing of request, and weather conditions for example. We are hoping to use weather and map APIs to provide this information.

Drivers will have profiles on the app that will include information such as profile pictures, contact information, and type of car they drive. On their profile, drivers will also be rated on the quality of the services they provide.