

Uber

Uber's mission is to put the world in motion. Achieving that goal requires world-class engineers and a lot of data.

Background

Uber Freight is an initiative being undertaken by Uber to transform the world of freight in much the same way that rides transformed personal mobility. One of the key differentiators in this effort is the transparency available to customers who need to move loads on the platform.

Using the same technology that enables you to see the location of your food delivery driver, shippers can see the exact location of their assigned driver before and during the transmission of their load, which in turn gives customers confidence in the reliability of the platform.

Project Description

In the world of ridesharing, providing live updates of location is not hard. It is not unreasonable to expect the driver to keep the app open for the entire trip.

In the world of freight however, things are more difficult. When transporting a load across 1000 miles, drivers will rarely bother to keep the app open for the entire trip, making this reporting more difficult.

The goal of this project is to explore how we can improve the reliability of live location tracking by building a proof-of-concept app that demonstrates location tracking in various scenarios (app is open, app is not open, app has lost cell coverage), status tracking (such as when a truck is moving, when a truck has arrived at a facility etc), and demonstrates what can be reasonably expected in each scenario.

Requirements

We are looking for a team of 4 engineering students. Students should feel confident programming in a variety of programming languages and should be comfortable working with Linux.

Recommendations to our recruiting department are possible for students that show strong talent and a fierce determination to solve problems.