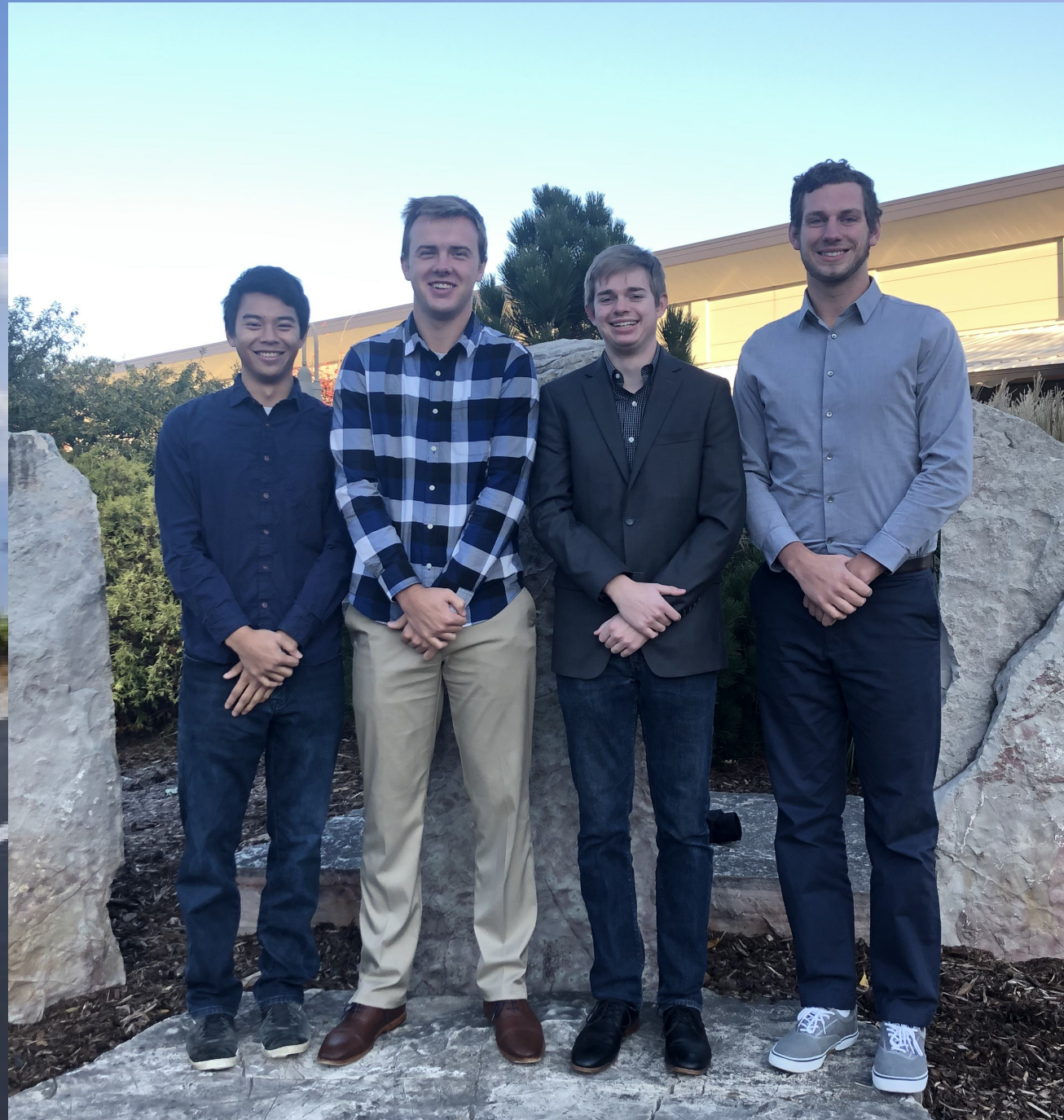




Team 4: Beltline Boys



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Problem:

The current layout of the intersection of M-11 and M-37, better known as 28th street and the East Beltline, results in large backups and high crash rates. Backups are partly due to the 4 stage signal timing, while the crash rates are due to an increased number of conflict points. Compared to a standard 4 way intersection, this intersection has additional left turn lanes, which are the cause of the additional conflict points.

Solution:

Currently, we are considering multiple ways to improve the intersection. Utilizing a continuous flow intersection, Michigan left turns, or a multilevel intersection would all enable us to lower both the amount of congestion and number of conflict points. This will not only help drivers get to their destination faster, but also reduce the amount of vehicle emissions into the environment.