**Ziyin Wang, Austin Bell, and Malik Drabla**

**Milestone Report**

**Outline**

* Introduction
  + Project overview
  + Summary of progress
* Progress
  + Data Processing
    - Time series sequences
    - Normalized adjacency matrix
  + Models
    - DGL GCN
    - Baseline STGCN
* Evaluation
  + Model results MAE/MSE/RMSE
    - DGL
    - STGCN
  + Plots of predictions vs. gold standard (STGCN)
* Discussion
  + These are not good initial results
  + We think the change in scale within a neighbourhood is affecting prediction effectiveness
    - Plots demonstrating hypothesis
  + Therefore, we are focusing on STGCN that have a larger temporal component
    - STG2seq
      * Spatial temporal graph with seq2seq architecture