Problem

- People can be distracted by phones while driving
- Mitigates distraction by
  - Auto detecting driving
  - Silence device
  - Auto send response
Implementation

- App listens for system Broadcasts that are sent when the user receives a text or phone call
- Also listens for results from Google Activity Recognition
- When communication is received while the user is “in vehicle”, an automatic response is generated
- App can be disabled with a GUI toggle
Screen Shots

Manual Override

Driving Auto Respond

Driving Auto Respond

Currently not Driving. Auto Respond Disabled

Currently Disabled, Please enable before driving.

Manual Override Disabled
Driving Not Detected

Manual Override Enabled
Evaluation

- Low Energy Consumption
  - 2mAh
- Texting
  - 88% of people have plans with unlimited text
- User Tests
  - UI critique
  - Activity accuracy
Future Work

- Bluetooth device recognition
- Calendar access
- Learning algorithm
- Timed manual override
Conclusion

- User responses
  - UI text needed to be refined
  - Option to silence
- Improve functionality
References