

# Senior Project Team Contract Draft

## Contacts

### Team Members

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### Advisor

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## Project Statement

All newly manufactured vehicles utilize wireless networks for various vehicle functionalities. Use this technology in automotive raises serious concerns for user privacy and security.

Our goal for this project is to develop a proof of concept via an application that allows the user to select what information they want sent to OEMs (original equipment manufacturers) and insurance companies.

## Project Deliverables and Timeline

### Fall 2024

- 09/20/24:
  - Android environment setup
  - Test *wireshark* application inside android emulator and conduct practice reading packets from certain applications
  - Example: "Read all network data being sent from Twitter"
- 09/23/24 --10/04/24
  - Conduct meeting with telematics engineers in automotive industry
  - Consider and implement feedback into project
  - *Make master list of all network signals utilized by TCU*

- Chose *which* signals are candidates to be toggles in our application
- Figure out if TCU port is accessible via software
- 11/01/24
  - UI for application is visually complete and can be run in Android emulator/test environment
  - Functional requirements not complete yet i.e. network switches
- 12/06/24
  - By this point, testing in an actual vehicle environment should be occurring
  - More documentation/deliverables will be made once more details are known

## **Spring 2025**

- TBD:
  - All aspects of testing & validation with our application in vehicle environment shall be complete during this period

## **Meeting Frequency with Advisor**

- Biweekly starting 09/13/24 if deemed necessary
- Case-by-case
- In-person during Advisor's office hours