

Technology Stack Summary

Programming Language:

- Java 17 or higher

Simulation Software:

- SUMO
- JavaFX 3D

- TraCI (Traffic Control Interface)

↳ Controlling traffic lights, vehicles, infrastructure

↳ Controls SUMO simulation in real time from external script

Library:

- TraaS - Traffic Control as a Service

- ↳
- Establish a connection to TraCI
 - Enables Java Methods
 - Provides traas.jar library

GUI Framework:

- Java Swing

Development Environment:

- Eclipse

Documentation Tool:

- JavaDoc

Debugging:

- `Java.util.logging`

Version Control:

- GitHub