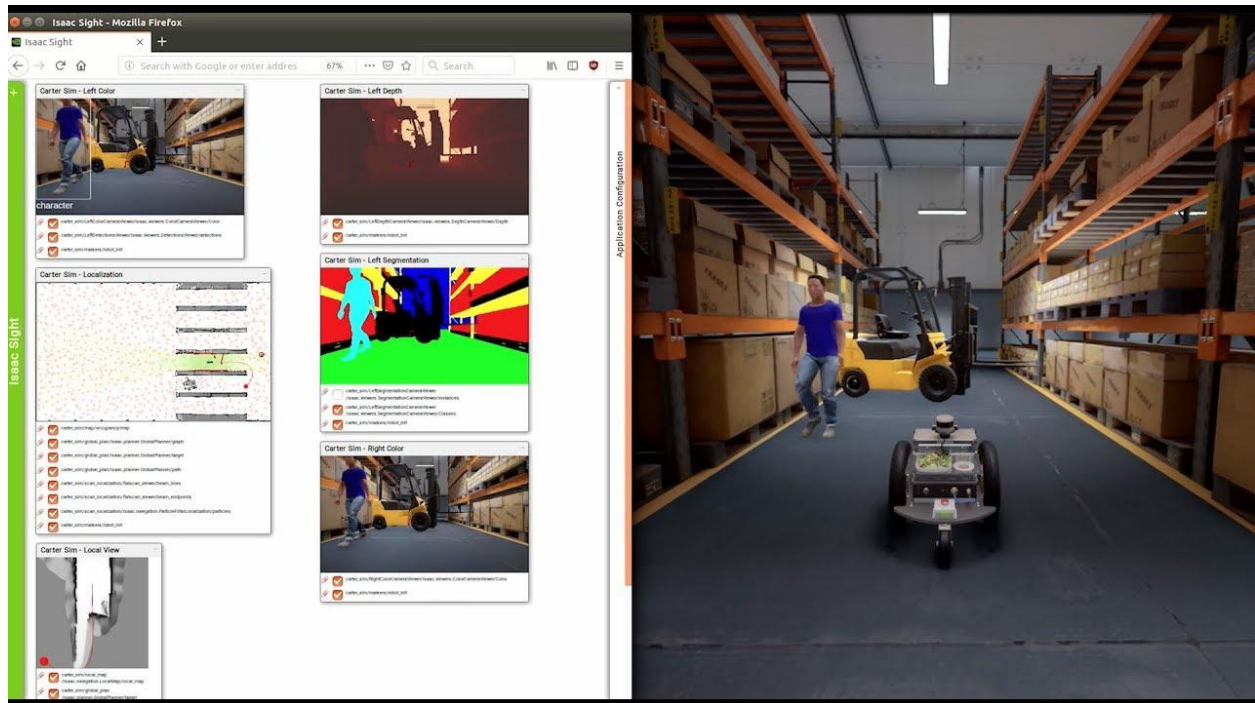


Simulation and AI-based Robot Development



In this project, we will develop robotic systems in the state-of-the-art Interactive Simulation environment (Omniverse).

Using Omniverse, we will implement prominent machine learning algorithms and examine them in various scenarios.

Specific project objectives will be determined together with the student(s).

Prerequisites: Strong programming skills (preferably Python or C++) , JSON.

ability to work on high level system design

Background in machine (deep) learning, computer vision, robotics is an advantage.

Academic supervisor: Asst. Prof. Vadim Indelman, vadim.indelman@technion.ac.il

lab engineer: Ariel Dobrovensky , dynamodex@gmail.com

Duration: 1 or 2 semesters