

About our Team

We are Team 6448 Blue Jays. Our team is located in the heart of New Orleans in the United States. Our rookie year is 2012. We went to Worlds in the 2018-2019 season, Rover Ruckus. We have earned multiple awards listed below.

2019:

- Inspire Award
- 1st Place Winning Alliance

2020:

- Control Award

2021:

- Motivate Award (Qualifier 1)
- Motivate Award (Qualifier 3)
- Innovate Award sponsored by Raytheon Technologies

You can find more about our team at jesuitroboticsnola.org.



About our School

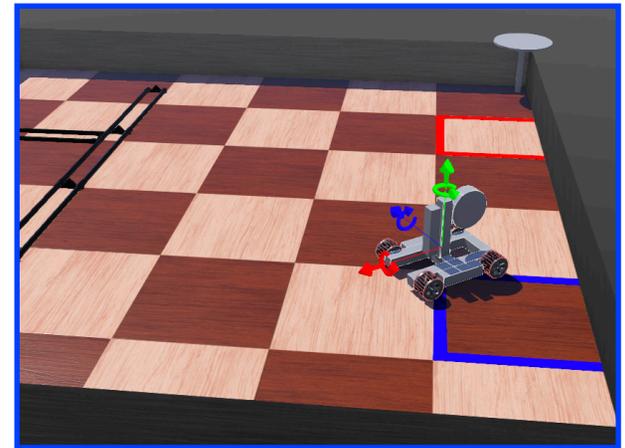
Jesuit High School of New Orleans is an all boys' college preparatory school located in the heart of New Orleans. The school specializes in education and discipline and produces multiple perfect ACT scores and National Merit Semifinalists. Many alumni (including our team mentor) love the school so much that they come back to Jesuit to teach. Along with academic success, Jesuit has athletic success, nationally placing in the top five year-round.



FTC Simulator

A bridge between Webots and Android Studio built to bring maximum efficiency to your team.

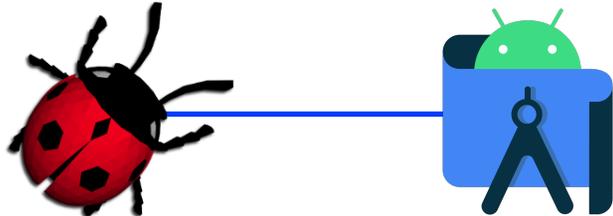
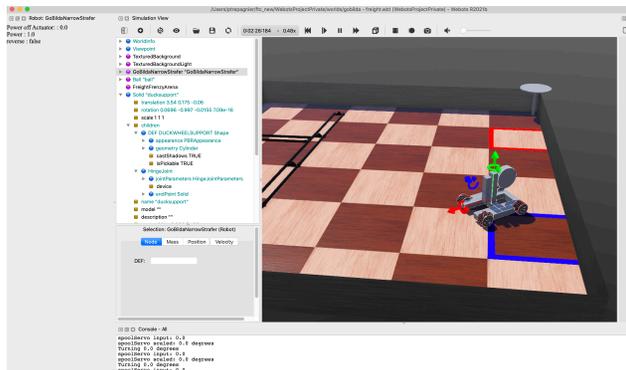
Built by FTC Team 6448 Blue Jays



<https://ftcsimulator.com>

What is it?

This is a simulator for First Tech Challenge robots created by Team 6448 Blue Jays. The FTC Simulator acts as a bridge between the Qualcomm API used by the FTC Android app and the Webots open source robot simulator. Our simulator allows a team to test possible robot designs, add obstacles to simulate a competition game and test logic for both TeleOp and Autonomous. This simulator allows a team to achieve maximum efficiency, allowing a team to test code while the robot is decommissioned.



Easy to Integrate

Our simulator is built on Webots, an open source robot simulator used by companies like Boston Dynamics and Tesla. It simply bridges your code on Android Studio to Webots. All you need to do is drag in a file or two and edit the configuration file.

Autonomous and TeleOp

Our simulator can simulate both autonomous and TeleOp situations. To change between modes, simply edit the configuration file to specify where your code outputs.

Open Source

We offer our bridge for free on our GitHub. There, you can also find instructions on how to install.

Prerequisites:

- Webots
- Android Studio

Physics Engine

Webots, an enterprise program used by numerous companies, has a built-in physics engine to properly simulate the behavior of not only your bot but also different objects and game pieces.

Reliable

We used this simulator for years, but we have finally made the decision to make it public for all teams to share the benefit of our robust and accurate robot simulator.

