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**KENNESAW STATE**  
U N I V E R S I T Y

MTRE 4200-01: Robotics Analysis and Synthesis  
Lab 06: Simulated Robotic Arm

Date of Experiment: February 28, 2023  
Date Submitted via D2L: March 13, 2023 , Version 1

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## 1 Member Contributions

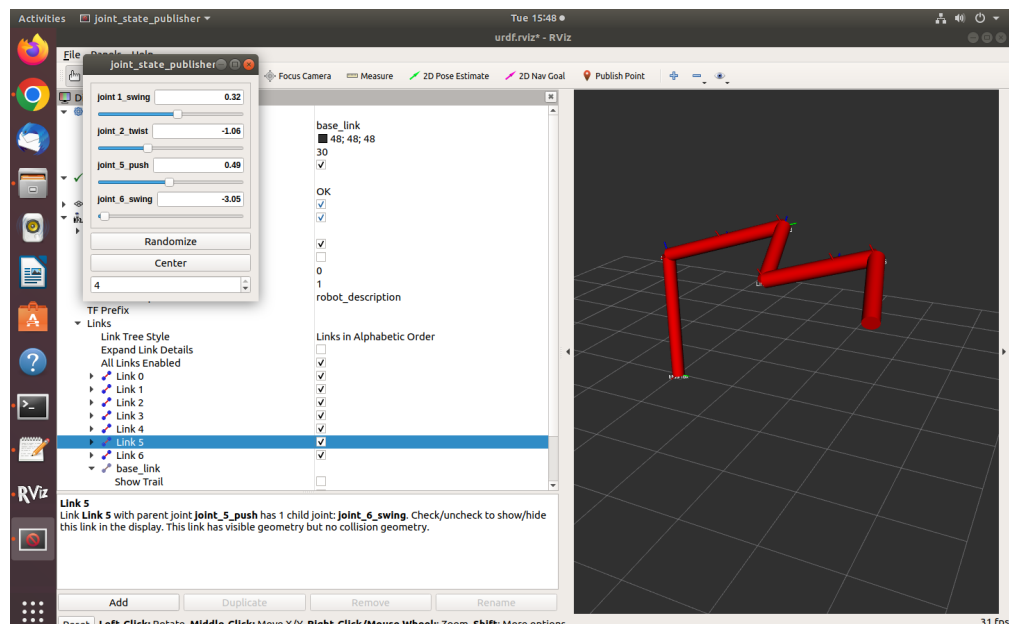
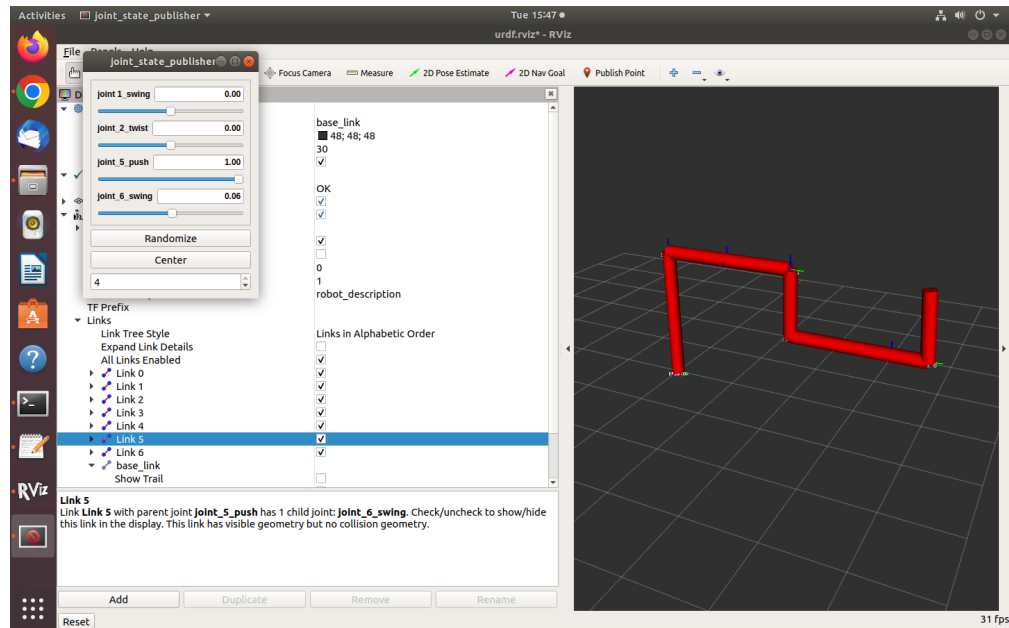
- Ben Hall
- Brighton Swales
- Sebastian Diaz Mora
- Ruben Murillo

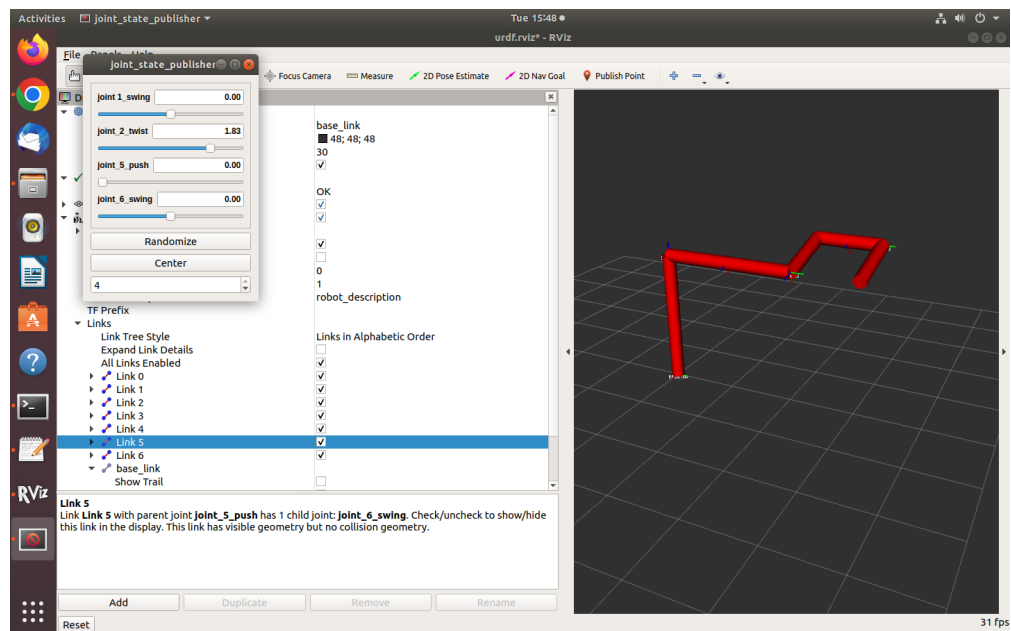
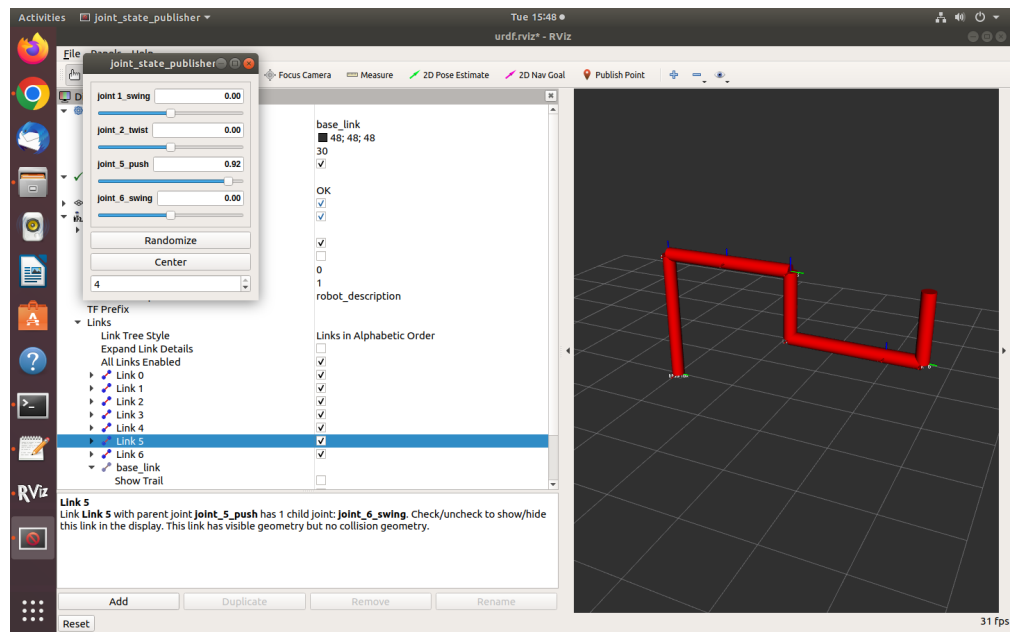
## 2 Abstract

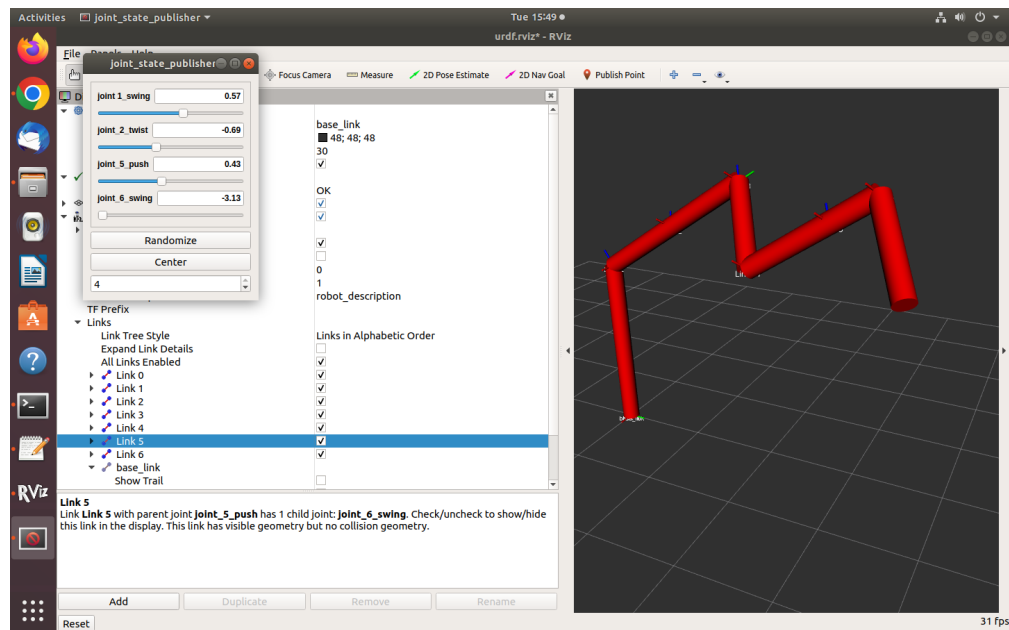
The Simulated Robotic Arm lab of ROS provides practical experience in working with robotic arms using the ROS framework. This lab covers creating a simulated robotic arm, controlling its movement using different algorithms, and visualizing data using ROS tools. The goal of this lab is to provide students with hands-on experience in developing ROS-based robotic arm systems.

### 3 Results

Here are the screenshots showcasing the results of the process of the Simulated Robotic Arm lab, where the student learned how to create a simulated robotic arm, control its movement using different algorithms and visualize data using ROS tools.







## 4 Conclusion

The Simulated Robotic Arm lab of ROS provides practical knowledge in working with ROS-based robotic arm systems. This lab is essential for students who are interested in developing robotic arm systems using the ROS framework.