STUYPOST

February 2021 Newsletter

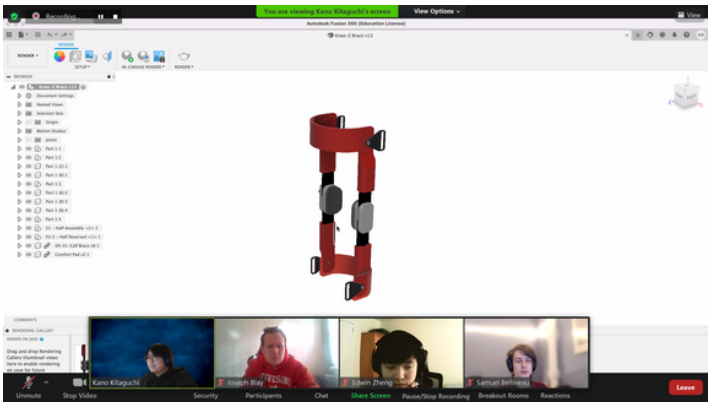
Pulsites have been working diligently throughout the month of February, meeting over Zoom to prepare for submission day on March 4th! All of our awards have also been submitted and you can read the essays below:

Woodie Flowers Award - Mentors who are nominated by the students are recognized for their inspiration to the team

Dean's List Award - Students are recognized for their leadership and embodiment of FIRST ideals

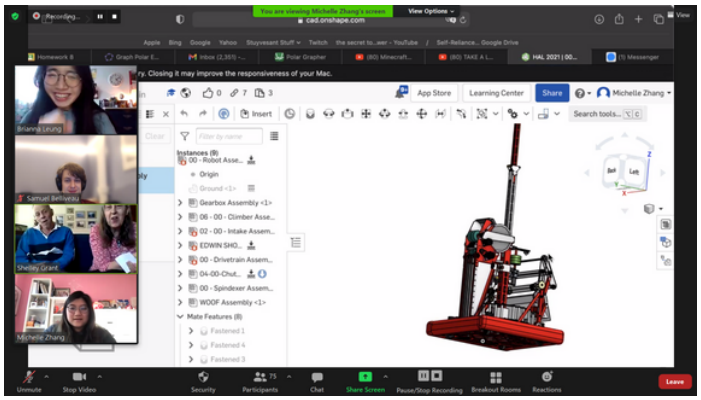
Chairman's Award - Teams are recognized for their efforts in spreading the mission of FIRST

Innovation Challenge



For the Innovation Challenge, Pulsites have continued designing the KneeZ Brace, a knee brace designed to allow those with osteoarthritis to exercise with ease. The Design team has been working on CADs of potential models, as well as interviewing professional medical experts for feedback on the brace design. The Business team has been busy drafting a business pitch, along with a business model for upcoming presentations. Pulsites have also submitted necessary requirements on Submission Day and are currently preparing to present our product to judges.

Infinite Recharge at Home



Pulsites have made great progress on their revamped robot for the Innovation Recharge At Home challenge. The engineering team has been using CAD software to design each mechanism of the robot, while the software engineering team has worked on finalizing code necessary for motion profiling and the robot's movement. Pulsites have finalized renders for their robot, Elektra, as well as an informational poster about the robot, in addition to submitting the necessary requirements for Submission Day to present Elektra to judges.

Game Design Challenge

In the Game Design Challenge, Pulsites finished the submission material in preparation for Submission Day. Pulsites also story boarded and wrote a script for a game animation for our original game. Pulsites learned how to use Blender and animated the video. Our game is called Rhythm Remix, and it involves shooting balls, called beats, into high and low goals. Check out our game animation video on our YouTube Channel or by clicking the following link: https://youtu.be/kgolYxpo1VA



