



From the Economic Development Office

March 17, 2022

Luis Manuel Guzman, an American engineer and inventor, is moving his operations from Alpharetta to Peachtree Corners. He and his remarkable humanoid robot called ZEUS 2Q will be working out of a space at 6395 Spalding Drive.

Zues 2Q is able to walk, talk, and follow instructions. This robot is primarily a creation of Guzman's company System Technology Works, LLC., an emerging educational tool transforming the way people can learn, engage, or program robots.

What started eight years ago as a hobby has turned into a patented robot and entrepreneurial enterprise. Guzman appeared on America's Greatest Makers show, a reality TV show aired in 2016. He was one of 24 selected to go for the second season. At the time, he was working on a humanoid robot.

He patented the robot and registered his company in 2020. He is now in the manufacturing stage with the hope the market will stabilize. It takes three months to build one of the humanoids that stand 4'2".

His mission? He wants to empower robot enthusiasts and research fellows by putting the power of Computer Science, Machine Learning, Artificial Intelligence, Mechanics, Electronics and Engineering into their hands. The education is the how—the programming of the humanoid.

"It is programming from digital to the physical and back," he said.

Most people program in the digital realm. In this case, with the robots, there are physical inputs and outputs which are part of the process.

"Programming is more interesting when you see the response of what you are doing," Guzman said. That's why he has designed a humanoid robotic kit to use with NVIDIA Jetson single board computer. Zeus 2Q gives users the power to develop their own personal assistant, putting the power of their imagination in their control.

Guzman has three high school interns on board, but he is looking for college interns with an interest in robotics to assist with quality assurance and programming.

For more information:

<http://www.systemtechnologyworks.com/>