Our quadruped spider robot teaches itself to walk without any prior knowledge of its body form and function, by using a genetic algorithm.

All the genetic algorithm’s computations are performed in the cloud, which sends its suggested-solutions of the problem to the app waiting for their rank.

The app applies the cloud suggested-solutions on the robot and sends the ranks of the solutions back to the cloud.

The robot gets a suggested solution, applies and ranks it, and sends the rank back to the app.