

ABSTRACT

A method for reinforcing programming education through toy robot feedback, including: at a user device, remote from the toy robot: receiving a series of programming inputs from a user at a programming interface application on the user device; receiving a set of sensor measurements from the toy robot; automatically generating a set of control instructions for the toy robot based on a programming input of the series and the set of sensor measurements; and sending the set of control instructions to the toy robot; and, at the toy robot: receiving the set of control instructions from the user device; operating the toy robot based on the set of control instructions; recording a second set of sensor measurements during toy robot operation; and sending the second set of sensor measurements to the user device.

[Figure 1B]