

# PiLo Library

A simple library for interfacing a raspberry pi with the parallax activity board over a 2-wire UART Serial connection.

## Path.h

Serializes a collection of path instructions as an array

### Path()

Default constructor. Initializes an empty path.

### Path(std::string)

Loads a path from a .txt file (see sample\_path.txt)

### ~Path()

Destructor

### void sendToFile(std::string file\_path)

Store path in a text file

### void push\_back(Command)

Adds a command to the end of the path list

### void push\_back(int left, int right)

Creates a command object and adds it to the end of the path list

### void pop\_back()

Pops the last command from the end of the path list

### void insert(int index, Command command)

Adds a Command object to the end of the path list

### void clear()

Clear all items from the list

### void remove(int index)

Remove the item at index from the path list

**int size()**

Returns the size of the list

**Command new\_command(int left, int right)**

Creates a new command object

**Command get(int index)**

Returns the command object at index from the path list

**Command operator[](int index)**

Returns the command object at index from the path list

**struct Command**

Contains the left and right wheel values, and the string equivalent of a single path command