
Robotic Artist:Walter
G400 Computer Science, CS39440
Requirements Specification

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1 Introduction

This document will talk about the requirements that are set for the final product of the Robotic Artist is going to have. The requirements will be expanded on to clearly explain what is wanted from this project. Each of the requirements will also be assigned a priority and explain the reasoning behind it.

2 Requirements

The following list is the requirements that are set for this project. If these tasks are completed, then the Robotic Artist should work as wanted.

1. Connect and control Roland 990 pen plotter
2. Control a camera
3. Create a Graphical User Interface(GUI)
4. Program Raspberry Pi to become a Router between devices
5. Generate artistic styles
6. Plot artistic drawings
7. Make robot easy to use
8. Admins has control on run time

The following section will expand on each requirement and talk about the priority of having these requirements working.

Connect and control Roland 990 pen plotter

Control a camera

Create a Graphical User Interface(GUI)

Program Raspberry Pi to become a Router between devices

Generate artistic styles

Plot artistic drawings

Make robot easy to use

Admins has control on run time

3 Versions

Version	Description	Date Modified
0.1	blank.	time, date