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Synopsis

Mechanical Archer

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# 1 Description

The Mechanical Archer project is an effort by the RIT Archery Club to create a remotely fired bow and arrow. It takes the form of a metal frame containing a bow and arrow loading rail and winch which is controlled by a hand-held unit and, later, a laptop. The Society of Software Engineers has supplied resources to the Software team. This document deals with the situation and continuance of the software component of the overall project effort.

# 2 Requirements for Contribution

* C source code editor
* Github account and client
* Mechanical Archer Google Drive access
* Mechanical Archer Trello board access
* Arduino environment and drivers

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# 3 Continuation

## 3.1 Project State

The Mechanical Archer software group has completed development of source code and has entered the testing page. The current effort is downloading code to the Arduino controller and physically testing the inputs and outputs on a breadboard.

## 3.2 Setup

Code can be retrieved from our Github account and flashed to any Arduino via serial connection.

## 3.3 Documentation

* Github

<https://github.com/mja2637/MechArcher>

* Google Drive

<https://docs.google.com/folder/d/0B3l3ADgQ29Rzd3U3N2IxSUVIdDQ/edit>

* Trello

<https://trello.com/board/mechanical-archer/50666dba653f0b062437f92f>

Access will be granted to Mechanical Archer project members, RIT Archery officers, and Society of Software Engineers officers on request.

## 3.4 Known Issues

None.

# 4 Members

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