

CMSC 22010 Final Project: 3D Scanner

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1 Specific Aims of the Project

2 Background Research

3 Approach

4 Technologies Used

The laser scanner is controlled with an Arduino Uno, running a simple program that rotates moves the stepper motor by one step when it receives a message. Communication with the Arduino is controlled by a Python program which made use of the [pySerial](#) library in order to send messages to the Arduino. Data is captured by two Logitech webcams, which are controlled with [OpenCV](#).

- 5 Innovations
- 6 Results
- 7 Lessons Learned
- 8 Conclusion
- 9 Team Member Contributions
- A Photos
- B Code Listings