Card Barn
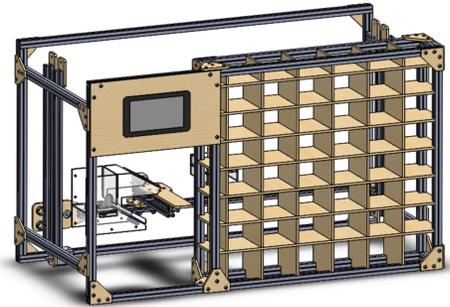
Utah State University
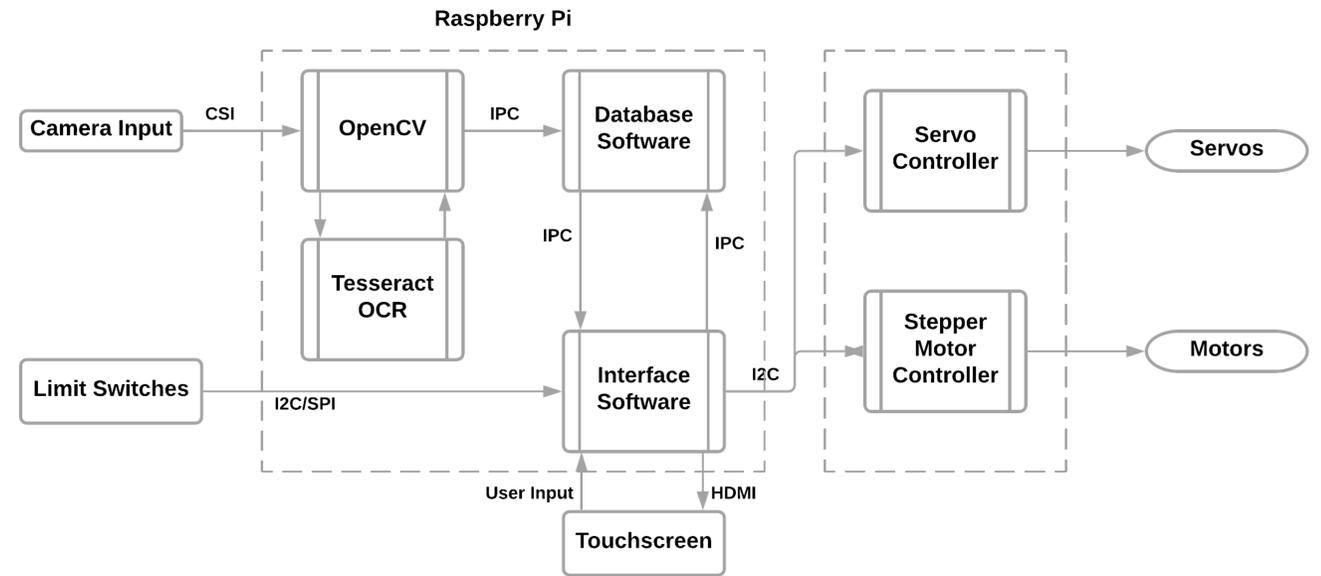ELECTRICAL AND COMPUTER ENGINEERING

Project

Create an automatic card storage system.

- The user first provides a stack of cards to be inventoried, and then allows the system to scan each card and store the scanned cards in a storage bin for later retrieval.

- The user can query the system for what cards are stored in the system, and the system will inform the user of which bin the desired card is in.
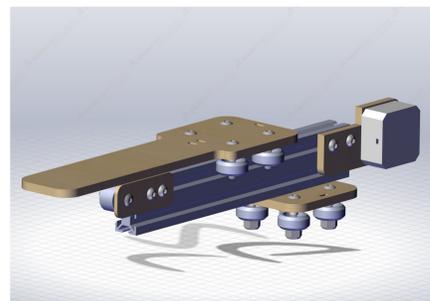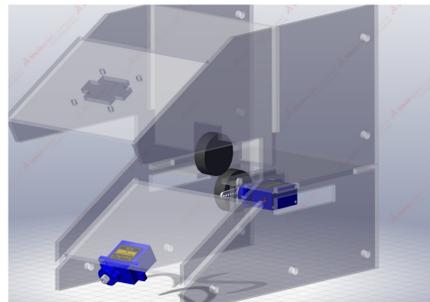

System

Methods

Major components of the system:
- Card input (mechanical)
- OCR to recognize card
- Motor control to move storage bins
- Database system to keep track of cards

Conclusion

- Mechanical control of the system was completed successfully.
- Card recognition was not completed successfully but is still viable.
- Inventory system is slow and not completely automated but is still viable.

Taylor Nielson

Nicholas Wallace