

Members:

Mason Davy







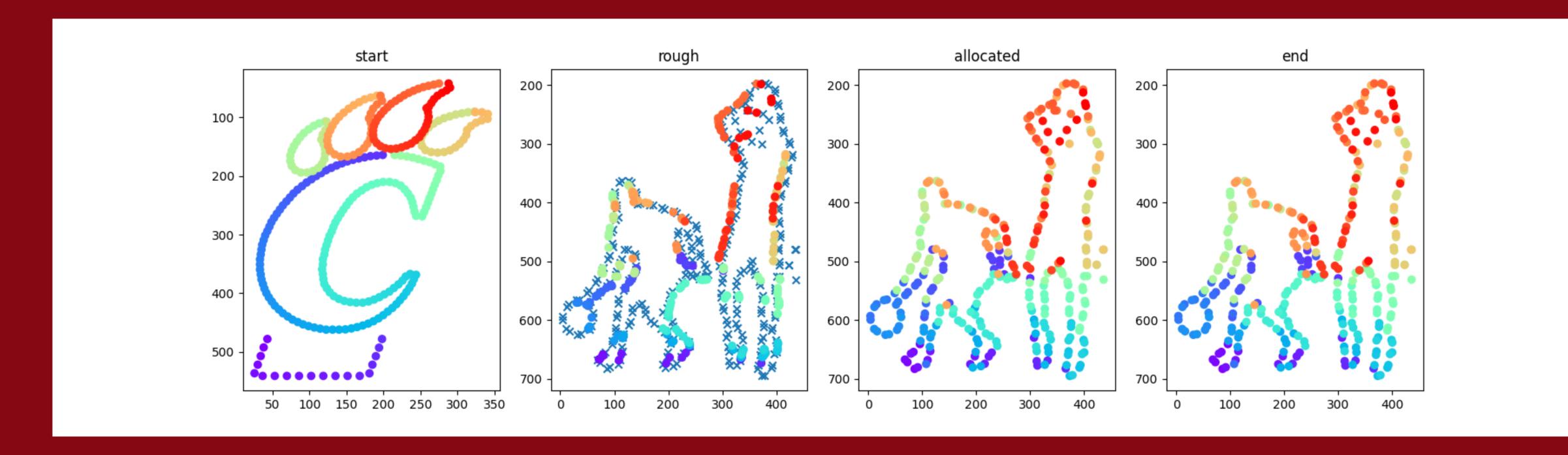
Mehdi Norouzi

Advisor:

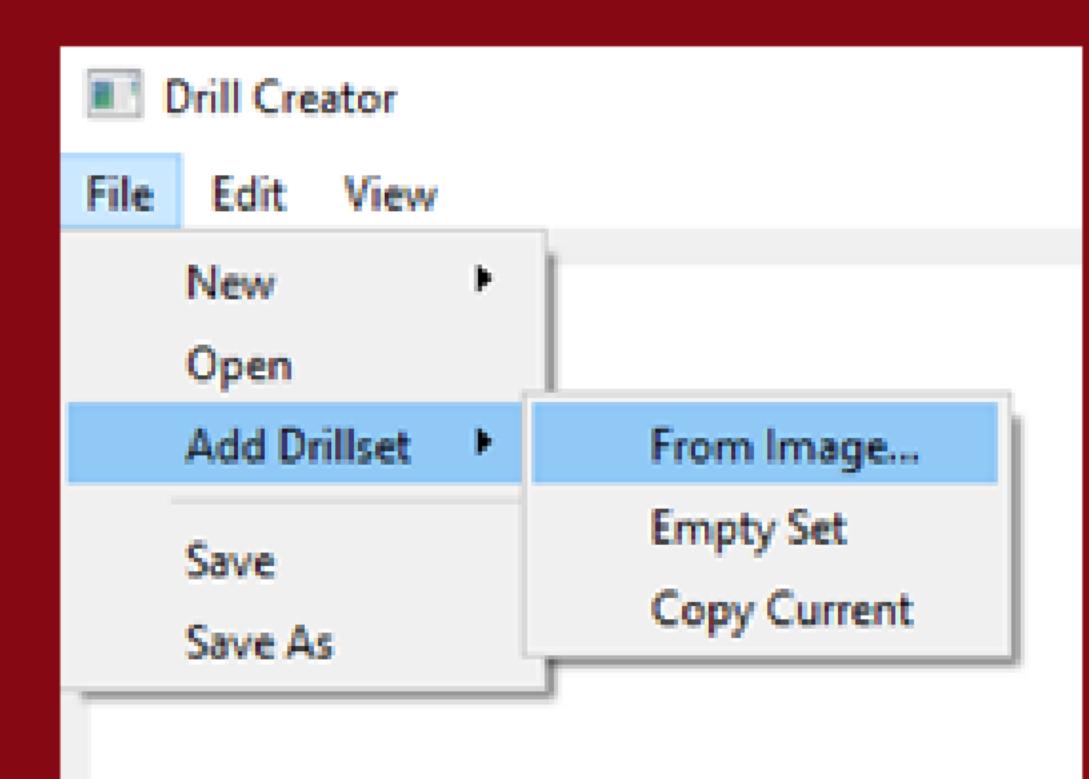
Problem: Creating Marching Band Shows is difficult and unintuitive

Solution: Image Interpretation, Transition Solving, & Drill Editing

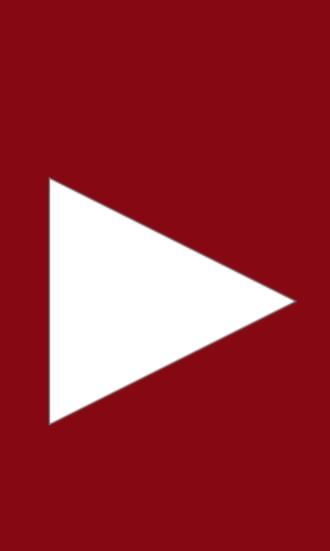
Results:

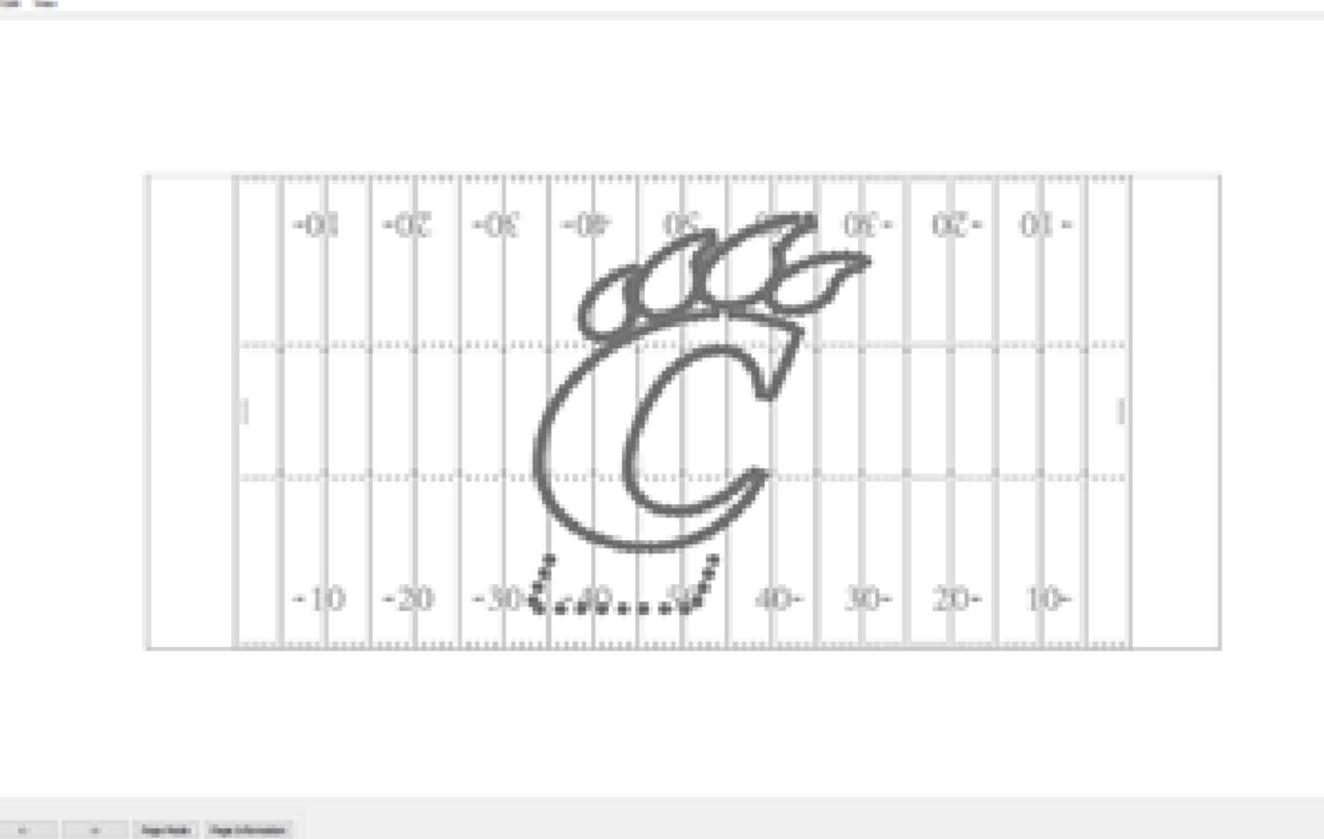


Visualization of algorithm: transition from C-paw (left) to basketball players (right)









Interactive GUI allowing access to our tools, loading/saving/viewing shows

Challenges:

- Algorithm
- Optimization
- GUI Development

Future Improvements:

- More drill movetypes
- Detailed editing features

Powered by:

Python
PyQt
Matplotlib

