# Rest of Semester Plans

CS Auburn-USDA Clinic

# Upcoming Events

- March 15-22: Spring Break
- March 25: Spring Presentation
- April 11: Feature Freeze
    - No more new features
- April 25: Code Freeze
    - No more modifying code
- May 6: Projects Day Presentation
- May 9: Final Handoff

# Machine Learning

Outstanding Tasks

- Finish pre- and post-processing implementations
    - Choose final data augmentation method
    - Implement HSMM
- Produce full data package
    - Tune model hyperparameters
    - Add training curves, hyperparameter saving, cross-validation to report generation script
- Model Descriptions
    - Technical (Architecture details)
    - General (Biologist-focused)
- Code Documentation

Goal: Data package + model descriptions to Dr. Cooper by April 4

# GUI

We must finish:

- Implementing .txt outputs
- Way to select post-processing type
- Refactoring for code cleanliness
- Documenting the software for users (user manual)
- Documenting the code for summer interns

We can pursue:

- Window features
    - Horizontal scrollbar  -  Way to show label durations  -  Movable baseline  -  Data window border
- Window actions
    - Reset view button  -  Undo automated labeling  -  Undo manual adjustments
- Visual settings
    - Show / hide labels, colors, lines