Flatland

June 2023 update

Reading and research

- Routing and Scheduling in different ways
- Other papers

Future goals:

- Build out initial bibliography
- Provide brief summary

Project module

- Added to Moodle
- Developing assignments
- Meeting weekly with the student

Encoding

- Started with experience in asprilo as a baseline
- Recognized this issue with transitions
- Developed solution for assigning transition functions to all track types
- Attempting to move a train through a simple environment
- Looked through Michel's code
- Anticipate the direction of development

Direction of development

What sets this apart?

- Realistic applications
  - Multiple stops
  - Coupling together
  - Turning around
  - Third spatial dimension
- Scheduling vs. rescheduling
  - Preference for certain routes over others
- Abstraction
  - Separating path planning from conflict prevention & resolution