Current Progress

- Created an “midas event listener”, linked with Sean’s unpacking code
  - Need to “link” this with Josh’s webpage

- Working on sorting out some software issues on UW machine
  - Python boost issues
  - Mhttpd issues

- Working on updating installer to include data simulator and unpacking libraries

Development Steps (Rough Outline)

Frontend code:

- Clean up DAQ for easier user control, package with modified midas, distribute

Backend code:

- Correctly “bin” all header information, trailer information, ADC data, etc.
- Histogram/data reconstruction (offline)
- Establish Data Quality Monitor (DQM) that links with midas experiment (online)

```
<!-- The purpose of this file is to specify what devices are in each frontend crate -->
<!-- To declare frontend AMC130x create root node <frontend id="x"> -->
<!-- To declare device in slot 'y' of create, create node <slot id="y" type="device_type" -->
<!-- Select "device_type" from FC7, WFD, or Rider (WFD and Rider are the same device) -->
<?xml version="1.0" encoding="UTF-8"?>
<frontend id="0">
    <slot id="1" type="FC7" />
    <slot id="2" type="FC7" />
    <slot id="5" type="WFD" />
    <slot id="6" type="FC7" />
    <slot id="7" type="WFD" />
    <slot id="8" type="WFD" />
    <slot id="10" type="WFD" />
    <slot id="11" type="WFD" />
    <slot id="12" type="WFD" />
</frontend>
<frontend id="1">
    <slot id="1" type="WFD" />
    <slot id="2" type="FC7" />
    <slot id="3" type="WFD" />
    <slot id="4" type="WFD" />
    <slot id="5" type="WFD" />
    <slot id="6" type="FC7" />
    <slot id="7" type="WFD" />
    <slot id="8" type="WFD" />
    <slot id="9" type="FC7" />
    <slot id="12" type="WFD" />
</frontend>
```

Example crate contents configuration file