**LabVIEW 101 – Week 12**

Before class:

Your computer is under alien control

1. Download updates from <https://github.com/rizett/LabVIEW-101>
2. Download and install autoIt

* <https://www.autoitscript.com/site/autoit/downloads/>
* Scroll down a bit to download the “AutoIt Full Installation”
* Choose to “Run the script” when asked for a default option for .au3 files
* You don’t need to install examples, unless you would like to

Required equipment:

Computer with LV and AutoIt installed

Topics:

Running / Writing a basic script in AutoIt

Running an AutoIt script in LabVIEW

*Maybe spend some more time on serial stuff / review pervious weeks / Serial example with Iridium module?*

Think about your projects!

**Week 12: Using AutoIt and System Commands**

1. AutoIt
   1. Writing a basic AutoIt script in the *SciTE* editor:
      1. Open LabVIEW101\_week12.docx
      2. Run autoit\_example\_LV-week3.au3 by double-clicking on the file
      3. Open the file by right clicking > edit
      4. After editing, compile the script to create an executable: right click > Compile Script x64
      5. See run\_autoPig\_startup.au3 for a different example that runs a script when the computer starts up.
2. Using LabVIEW and System commands to operate an AutoIt script
   1. Open week12\_autoIt\_automation.vi
   2. Connectivity > Libraries & Executables > System Exec.vi

Exercise:

1. Modify the AutoIt script in week12\_autoit\_example\_LV-week3.au3 to:
   1. Re-position a LabVIEW window
   2. Stop a LabVIEW VI (any VI! Maybe one from a previous exercise) from running
   3. Re-start the VI
   4. Run the program in LabVIEW

*Imagine this AutoIt / LabVIEW combination controlling some aspect of a separate program. For example, you may use this to control when to stop/start a data acquisition in a different VI, or separate program altogether. Or, you may use these functions to adjust settings in a different / stand-alone piece of software.*