
my_modules

Library of Modules and Scripts for My Own Personal Use

Python Modules

EXTERNAL DEPENDENCIES

- **Getch**

- `$ pip install getch`
- Python package to wait for a single key press input

- **TeX Live**

- `brew install texlive`
- System binaries to interact with the TeX document production system.

- **Cairo**

- `brew install cairo`
- 2D graphics library written in C

- **Pandoc**

- `brew install pandoc`
- File conversion software

- **Eisvogel Latex Template for Pandoc**

- Wandmalfarbe's Pandoc template to convert markdown files to pdf
- Installation

1. Extract the latest version of the template from the release page

2. **Move `eisvogel.latex` to your pandoc templates directory**

- Unix / Linux / MacOS : `/Users/USERNAME/.local/share/pandoc/templates/`
- Windows Vista or later : `C:\Users\USERNAME\AppData\Roaming\pandoc\templates`

MODULES

- **File Manipulation**

- `directory.py`

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- * Contains parent class Directory, which obtains contents from the current working directory and forms them into a dictionary which can then be used to select one or more files.
 - markdown_funcs.py
 - * Child of Directory. Allows the user to select one or more markdown files to convert to pdf.
 - sort_files.py
 - * Child of Directory. Allows the user to sort files into sub-directories based on their extension
 - open_markup_file.py
 - * Not implemented.

- **Timing**

- timers.py
 - * Contains decorator function time_it() to measure execution / failure times

Shell Scripts

- **Aliases**

- aliases.sh
- Sources all of the aliases from:
 - * personal_aliases.sh
 - * school_aliases.sh
 - * script_aliases.sh

- **Functions**

- **Personal Functions**

- application_functions.sh
 - * Contains functions to open and close applications in MacOS
- listing_functions.sh
 - * Contains functions to optimize:
 - * `ls -l`
 - * `ls -al`
 - * `tree`

- **School Functions**

- cs_lab_functions.sh
 - * Contains functions to locate, open, or create a new CS Lab