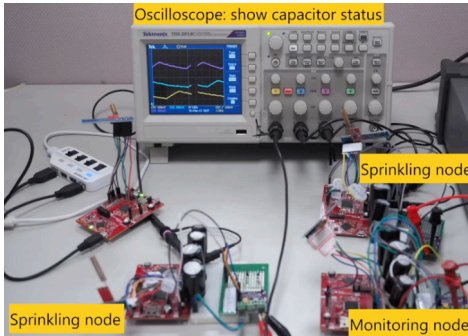


# Project Portfolio

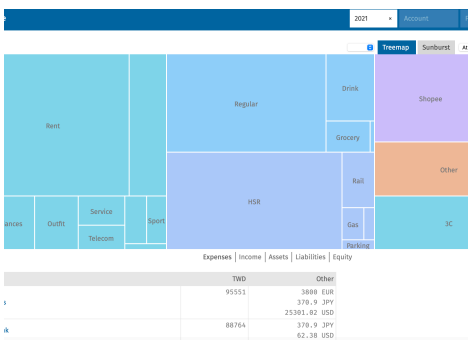
Wei-Che Tsai

[wtsai46@gatech.edu](mailto:wtsai46@gatech.edu) | <https://github.com/daniel0076>



## Intermittent OS on Self-powered IoT Network

- Date: Oct. 2022
- The first distributed OS to accommodate intermittent execution on self-powered IoT devices
- C/C++, Distributed RealTime System
- [\[Paper\]](#) [\[Github\]](#)



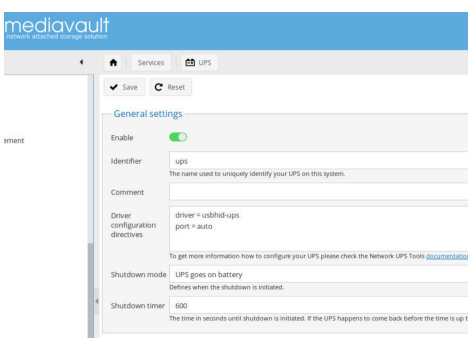
## Cinderella - Book Keeping from Bank Statements

- Date: 2022 - Present
- Automate daily book keeping by parsing bank statement sent via email (PDF, CSV files, etc)
- Python, Pandas, Numpy, BeanCount
- [\[Github\]](#)



## JDownloader 2 on ARM64 Docker (50K+ Download)

- Date: 2022 - Present
- Enable the famous download manager on ARM64 (Raspberry Pi) devices with GUI on VNC
- Docker, Raspberry Pi, Embedded System
- [\[Docker Hub\]](#) [\[Github\]](#)



## UPS Plugin on OpenMediaVault

- Date: 2020
- Enable the Network UPS Tools (NUT) GUI on OpenMediaVault for simple setup
- Debian Linux, SaltStack
- [\[Project Link\]](#) [\[Github\]](#)