

# Writing Smart Contracts

## 02 Tool Setup

Peter H. Gruber

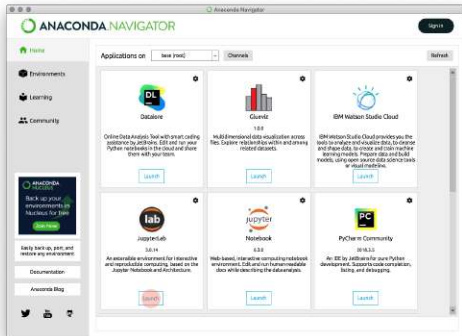
Supported by the Algorand Foundation

# Anaconda

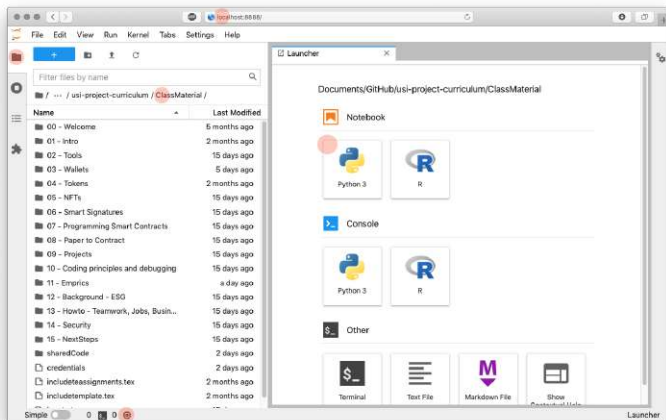
## (1) Get Anaconda

- <https://www.anaconda.com/products/individual>
- No need to register or create an account
- No need for Cloud Notebooks
- Download and install Anaconda

## (2) Anaconda Navigator



# A quick intro to Jupyterlab



- Notebook (text+code+results)
- Access with browser
- Markdown language  
→ 02\_WSC\_JupyterLab.ipynb
- Run Python in notebook  
→ 02\_WSC\_Python.ipynb
- Files in current directory
- Jupyter = Julia/Python/R

# Pera Algo Wallet App – Install

iOS

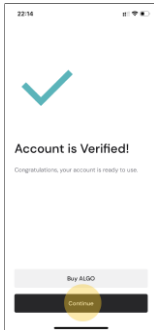
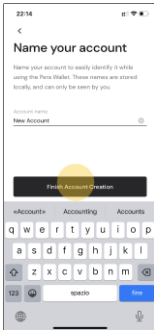
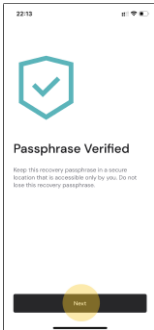
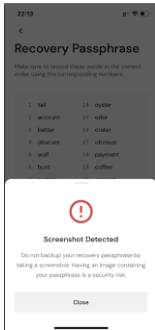
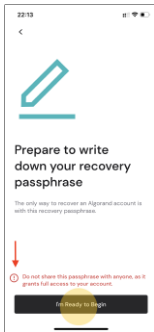
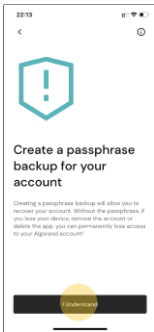
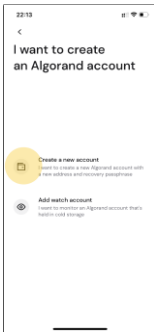
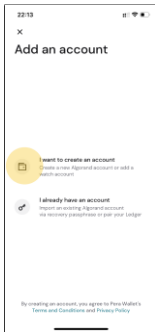
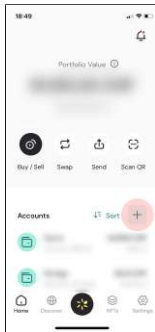


Android

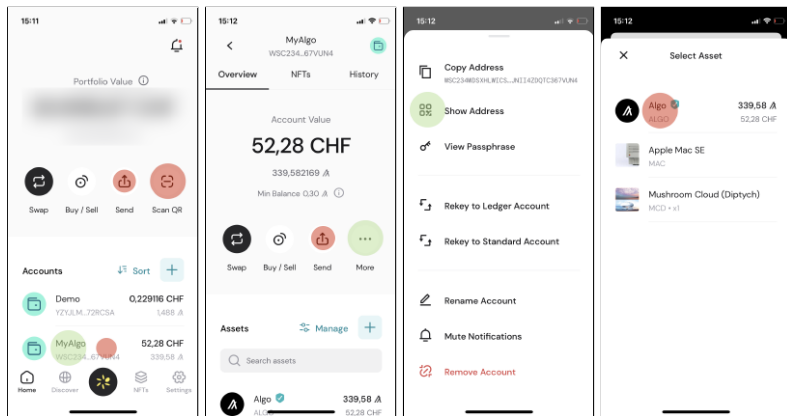


<https://apps.apple.com/at/app/algorand-wallet/id1459898525?l=en>

<https://play.google.com/store/apps/details?id=com.algorand.android&hl=en&gl=US>



# Pera Wallet App – Make a transfer



RED = send, GREEN = receive

Testnet:  Cogwheel /  Developer Settings / Node Settings / TestNet (orange bar)

# Toolstack

## Locally installed

- Anaconda
  - ▶ JupyterLab (access via browser)
  - ▶ Python + Algorand SDK Library + PyTEAL
- Pera Algo Wallet App for iOS/Android

## API-Access

- `https://algonode.io`
  - ▶ Read blockchain data, submit transactions

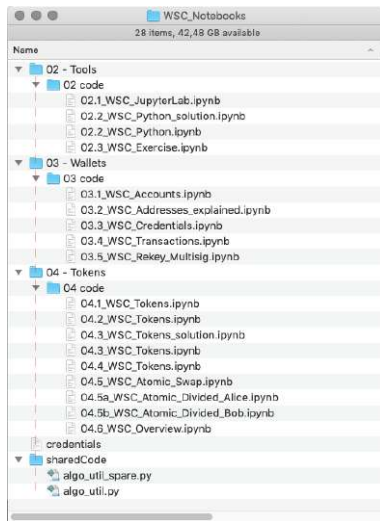
## Web-Access

- `https://explorer.perawallet.app` (simple)
- `https://app.dappflow.org/dashboard` (complex)

## Cloud

- `https://www.pythonanywhere.com`
  - ▶ Host web3 apps written in Python

# Folder structure notebooks



**Do not change this structure!** Add new folders in correct level.