

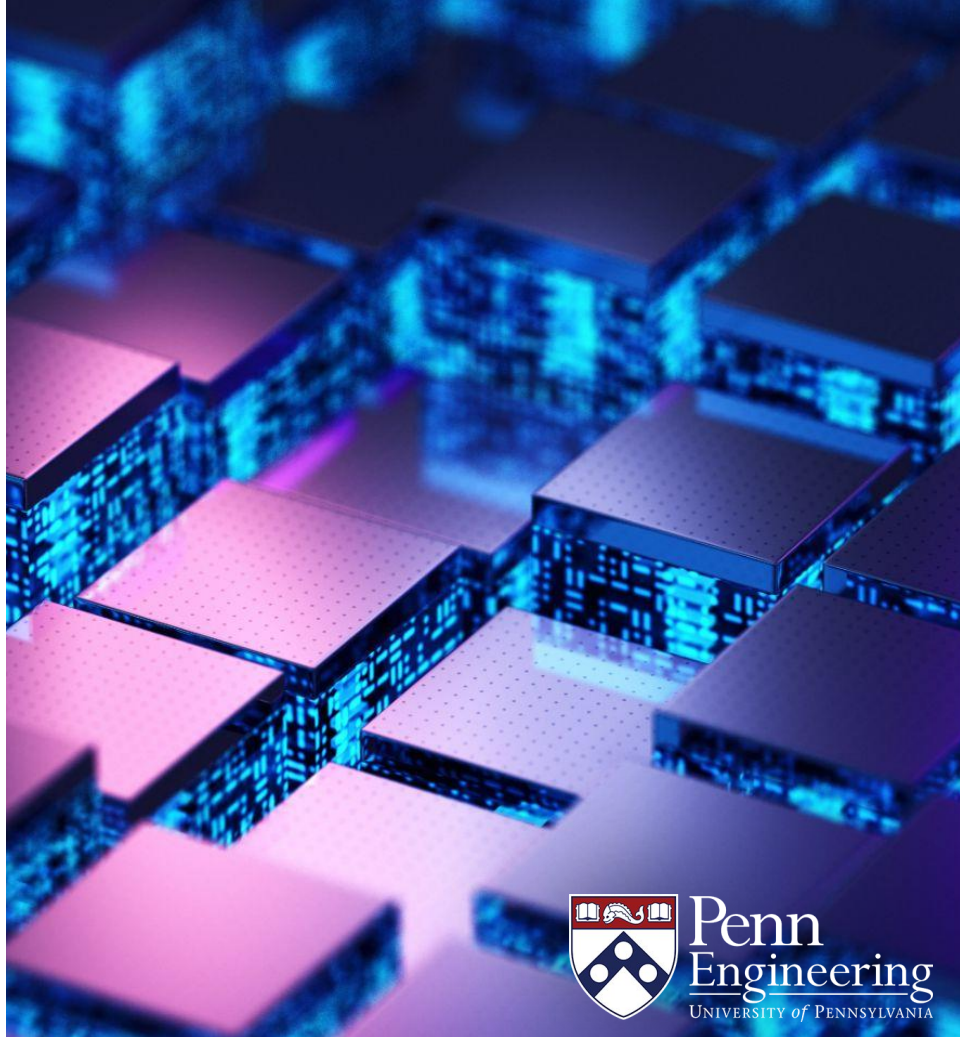
EAS 5830: BLOCKCHAINS

Codio and Git

Professor Brett Hemenway Falk



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Codio

- Coding assignments submitted through Codio
- Virtual environments provide all necessary software
 - [Foundry](#)
 - Python3
 - Python libraries
 - [web3](#)



Git

- Create a Github account
- Create a repository for your work in this class
 - (Or repo for each assignment)
- Add “[deploy key](#)” to the repo
- The Codio autograder will
 - Clone your repo (authenticating itself with deploy key)
 - Run the autograder against the cloned files

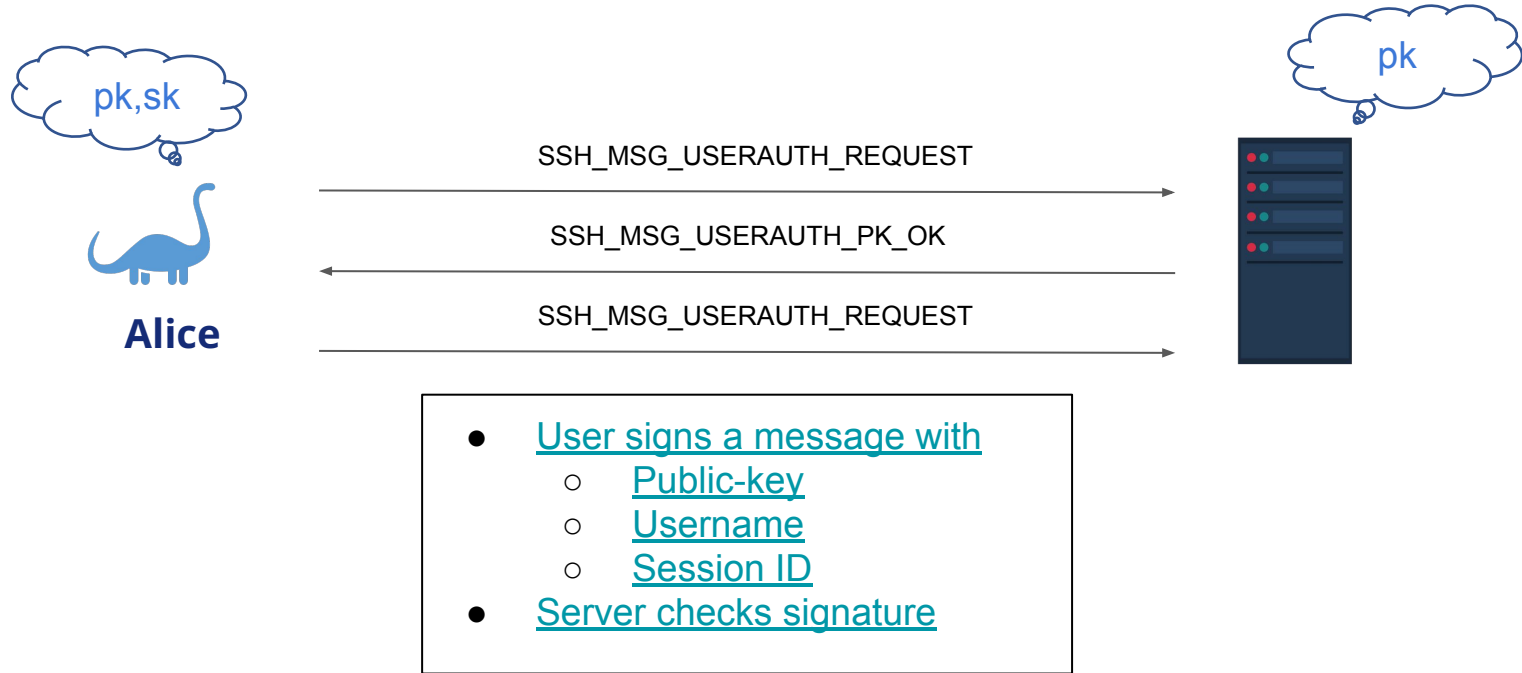


SSH Keys

```
cd ~/workspace  
mkdir ssh_keys  
ssh-keygen -t ed25519 -f ~/workspace/ssh_keys/id_mcit5830
```

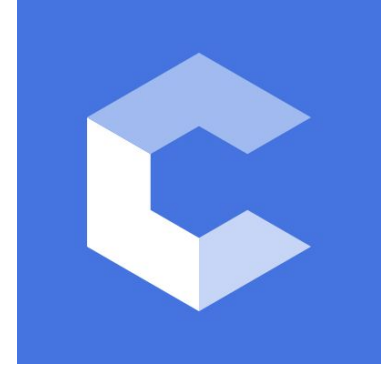
- Creates
 - ssh_keys/id_mcit5830
 - ssh_keys/id_mcit5830.pub
- Add id_mcit5830.pub as github deploy key
- [ssh-keygen documentation](#)

Public-Key Authentication

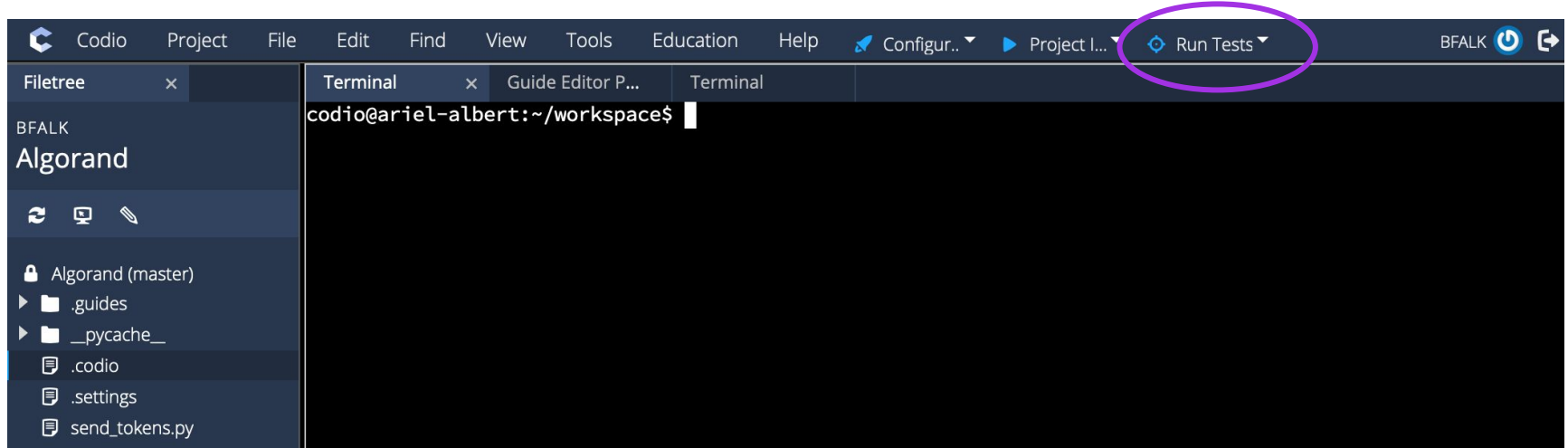


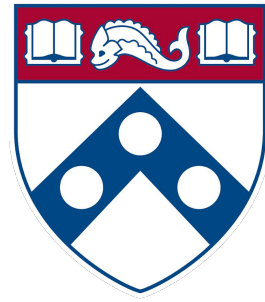
Codio

- All Coding assignments in Python or Solidity
- Graders are written in Python or Solidity
 - Grader clones repo to get files
 - Imports homework file (filename is important!)
 - Tests I/O behavior of function



Codio





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