Aru Singh

Computational Biologist

Coordinator of computational capabilities to magnify microbial manipulations

Experience

Ginkgo Bioworks: 2017-2022

- Wetlab (2017-2018); hybrid (2018-2019); drylab (2019-2022)
- Helped synthesize, prioritize, and deliver scalable general-purpose computational solutions to requests from experimental biologists using common data
- Maintained close working relationships from experts across various digital and physical fields allowing for faster iteration cycles and better collaboration
- Accumulated, documented, and propagated consensus best practices in the language of code, containers, and the cloud
- Ran a number of computational workshops (Python; Bash & NGS analysis; lecture & homework) aimed towards the complete neophyte; seeded multiple
 experimentalist → bioinformatician transitions
- Developed a series of Python packages and command-line clients to interact with assets in a heterogenous collection of information management systems using familiar programmable interfaces

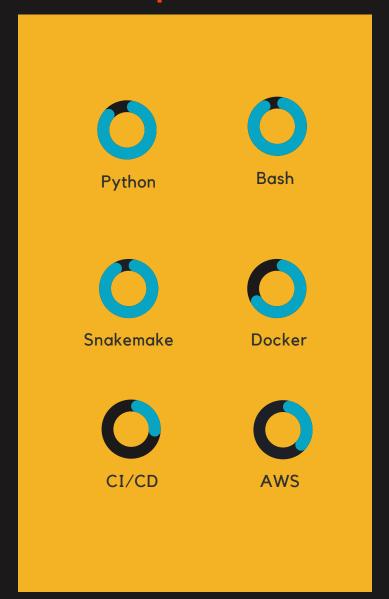
Omics



Domains



Computational



Education

University of Illinois at Urbana-Champaign: B.S. 2012-2016

Major: Computational Physics
Minor: Bioengineering, Math