



AIChE Spring

4/27 Python Workshop



Why Python

Compact and readable

Simpler Object Oriented Programming

Dictionaries

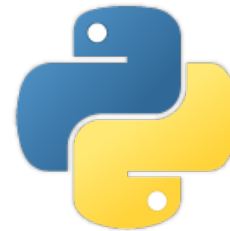
Open Source Libraries

Free vs \$2000 license!?



Professional Background

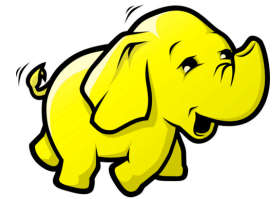
- Daymon, 2017
 - Uptake (Caterpillar), 2016
 - Chicago Mercantile Exchange Intern, 2016
 - Cymer Intern, 2015
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- NASA Ames Research Center, 2014
 - UCSD NanoBioElectronics Group, 2012-2014



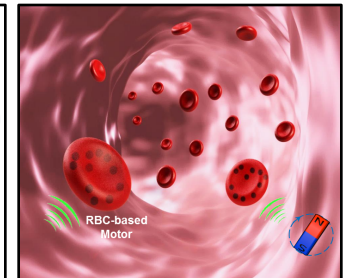
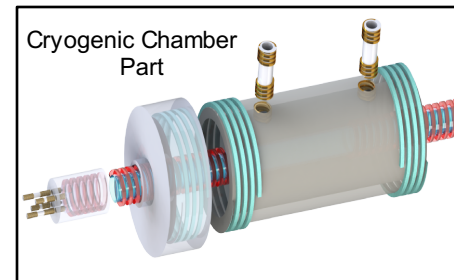
Python



R

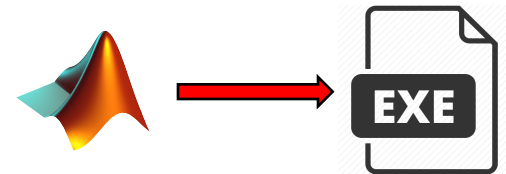
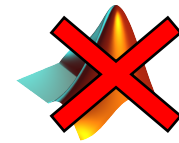


Hadoop



Why Python (At Cymer)

- Field test engineers needed wafer analysis.
- Field laptops didn't have access to MATLAB
- **Old Solution:** Send executable scripts
- **New Solution:** Use Python scripts



Installation Time

Installation

- Anaconda has lots of packages preinstalled
- If you are having trouble installing Python (Anaconda),
Please let me know.

Mac: <https://medium.com/@GalarnykMichael/install-python-on-mac-anaconda-ccd9f2014072>

Windows: <https://medium.com/@GalarnykMichael/install-python-on-windows-anaconda-c63c7c3d1444>

- If you really
Go to link (I launched something on Amazon Web
Services)
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Activity!

