# Technology

Python for data

**C++ is a strongly typed language**

C++: main

* Memory allocation in NUMA based architectures
  + Controlling when and how memory is returned
  + Flame graph: stack depth depending on CPU usage
  + RAII: Resource Acquisition Is Initialisation
  + C++11: Smart pointers and auto (type put in by compiler)
* Compatible with earlier versions
* Still updated with new features
* Proxy:
  + Asio library
  + Multiple threads
  + Request: Connect -> Read -> Process
  + Asynchronous I/O

kdb+/q

# Your career

* *Safari* used for online stuff

[www.squarepoint-capital.com](http://www.squarepoint-capital.com)