An Liu

Basic infomation

- Apr 23th,1986
- Shanghai/China
- +86-13764401743
- http://github.com/sourceonly
- sourceonly@gmail.com

About me ———

to be complete

Skills ———

SQLs

Web,Java

Python

C

Linux

Project Management

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

interests

An likes to find why to problem, thus like mathematics and physics. Also, computer is another tool which bring us much closer to the truth. During amateur time, he likes reading, music, games

education

| 2008-2011 | Master of Physics
Program in Single ion facility | Fudan University |
| 2003-2007 | Bachelor of Mechanics
Major in Fluid Mechanics | Fudan University |

awards

| 2015 | Outstanding staff at Altair |

experience

since 2016	self employed offering Paas service based on HPC	Shanghai
2014-2016	Senior consultant of HPC(High performance compute) Offering High Performance Computing solution to OEMs	Altair Ltd
2011-2013	Engineering Consultant develop processes for CAE	Altair Ltd
2008-2011	Master use Geant4 toolkit (C++) to simulate the behavior of single ion facility	Fudan University
2007-2008	Bachelor Use matlab to simulate pressure of cabled-bridge while turbulence	Fudan University

other information

Review

An joined altair as a mechanics engineer fisrtly offers enterprise work to OEMs, there he get familiar with how program manages, and how team could efficiently worked together on the same target

- Crash report automatic generation for either simulation data set or experimental
- Rapid Modeling process design to improve efficiency

then due to his knowlegde to programming and Linux, he moved to department which focus on scientific caculation. Here he first known web application, front-end and back-end of the interfaces.

- analyse mpi jobs to improve it's efficiency
- develop processing for those support checkpoint
- trying to integrate the processing to other domain other than manufacture (EDA / Chemistry)
- Remote Visualization for HPC (Altair Display Manager)
- Cooperate with Web Application Engineer to develop new feature to improve user experience
- develop variety tools to improve HPC solution based on PBS professional and Compute Manager

after that, he realize that cloud computing is booming, mean while Altair announced that PBS Professional goes opensourced. And focus on digest the deep requires stems from customs.

- develop a simple load balance system for windows cluster (python)
- analyse the HPC data to find bottleneck of the IaaS
- compares Cluster (HPC) with big data (Hadoop etc.), trying to find a bridge connect those two.