



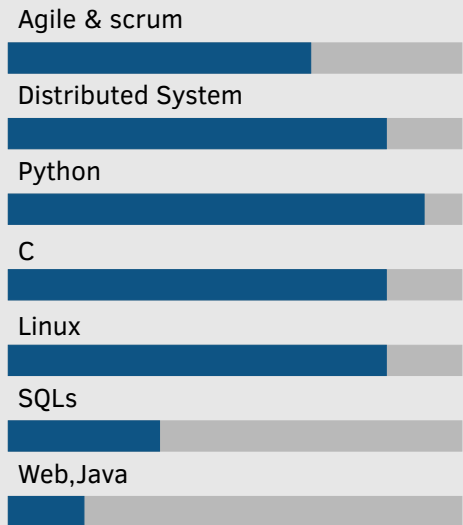
# An Liu

Basic information

- Apr 23th, 1986
- Shanghai/China
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## About me

## Skills



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

## Interests

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

## Education

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

## Experience

- since 2016 Self-employed Shanghai, China  
Offering Paas service based on HPC
- 2013-2016 Senior Engineer Altair Ltd, Shanghai, China  
Optimize, design process from HPC workflow
- 2011-2013 Engineering Consultant Altair Ltd, Shanghai, China  
Offering tools/process/platform for customers
- 2008-2011 Master Fudan University, Shanghai, China  
Simulation single-ion beam behavior with Geant4 C++ toolkit provide by CERN
- 2007-2008 Bachelor Fudan University, Shanghai, China  
Cabled-bridge turbulence simulation and analysis with Matlab

## Reviews

### software solutions

An developed several Platform for customers, there he got familiar with Agile & and scrum methodologies, which provides the ability from incrementally development of softwares Projects including:

- Rapid modeling system for automobile
- Crash report automatic generation for automobile
- Platform developed for lokomobile

### HPC solutions

After that, An got familiar with Linux and parallel system through High performance Computing, such as PBS professional, IBM Isf as well as slurm, along with a lot of MPI processes such as platform-mpi and intel mpi, analysing the bottleneck of traditionally HPC. Projects including:

- Fluent auto checkpoint stop/restart
- Fastran parallel optimizing
- Simple GUI client based on QT

### HPC enterprise

Then, An focused the solutions to HPC, worked together with engineers of web applications, sqls. Projects including:

- Integrating web authentication with cluster
- Integrating cluster management with web-portals
- Analysis tools of the HPC cluster usage monitors
- Software visualization solutions for clusters.

### bigdata

Now, An started to look into bigdata technologies, such as Celery. Wrote a simple schedule system in Python can work across platform both on Windows and Linux.

Additionally, An spends a lot of time in pursuing priciple of programing and studying lisp (SICP) and algrithom (TAOCP).