

Xinding Wei | Résumé

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Education and Skills

- Bachelor's degree in Computer Science, Tsinghua University. (Aug. 2013 - July 2017 Expected)
- Programming languages: C++, Java, Python, Ruby, Matlab. Platform: Linux, OS X. Tools: Git.
- Won Silver Medal in National Olympiad in Informatics in China in 2012.

Internship Experience

Briphant, Beijing (May 2015 - August 2015).....

- Briphant provides a platform for you to build, test, and execute trading algorithms.
- Used SWIG framework to connect Python and Java version user programs with C++ backend.
- Implemented the LRU cache algorithm to fetch stock data from server.
- Developed an internal logging framework with Boost library.

Research Projects

Pivotal Prefix Based Filtering Algorithm for String Similarity Search (Sept. 2015 - Now).....

- Lab: Database Research Group of Tsinghua University
- Implement the algorithm and in C++.

High Speed RAID Systems Recovery (July 2014 - June 2015).....

- Lab: High Performance Computing Institute of Tsinghua University
- Design an algorithm balance the disk load and implement an experiment to validate it.

Neural Network for Trip Type Classification (Nove. 2015 - Dec. 2015).....

- Participated in a kaggle Competition to solve Trip Type Classification.
- Related Tools: Theano, Keras, Python, Matlab
- Rank: 230/1047

Projects

AI9.....

- An online artificial intelligence battle platform powered by Ruby on Rails.
- Acted as the tech leader, developed an expandable real-time competition system.
- Reviewed code written by all 4 members of development group.

32-bit MIPS CPU.....

- An open source 32-bit MIPS CPU implemented with Verilog on a FPGA board.
- Supports the teaching operating system UCORE, which can run programs like Greedy Snake.

A network based report duplicate check system.....

- A website supports report duplication check service.
- Widely used in the Educational Administration Department of Tsinghua University.

TablePlusPlus.....

- A task scheduling and data visualization website powered by Ruby on Rails.
- Supports database tasks triggered by signals, such as timers, task completion and so on.
- Acted as the team leader, developed the task scheduling system.

Personal Description

- Good teamwork, communication skill and organization ability.
- Familiar with algorithms and data structures and coding with quality and high speed.
- Good at acquiring new technology and fond of delving into research.