

Daniel Zhou | Curriculum Vitæ

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🌐 nerddan.github.io • 🐙 nerdDan • in danichau

Education

Central China Normal University

B.Eng. in Software Engineering

Wuhan

Sep. 2012–Jun. 2016

Experience

ACM-ICPC Team of C.C.N.U.

Captain

Wuhan

Sep. 2013–Jun. 2015

- Led & helped 30 members participating in programming competitions.
- Organized 4 programming competitions with more than 400 people from 6 universities participated.

Big Data Lab, Baidu Inc.

Research Intern

Beijing

Oct. 2015–present

- Developed a compression algorithm for human DNA sequencing data independently, which compresses the data into a smaller size than the state-of-the-art tool does.

Awards

ACM International Collegiate Programming Contest, Asia Regional

Bronze medal

Nanjing

Nov. 2013

ACM International Collegiate Programming Contest, Asia Regional

Silver medal

Xi'an

Oct. 2014

Programming Practices

A compiler transforming regular expressions into DFAs

C++

<http://nerddan.github.io/regex2dfa>

- A parser of the regular expression;
- Implementations of Thompson's construction algorithm, the powerset construction algorithm, and Brzozowski's algorithm.

Vocational skills

Languages: C/C++ (STL, Boost), Ruby (Ruby on Rails), Java

Web front-end: HTML (Jade), CSS (Stylus), JavaScript(CoffeeScript), Bootstrap

Tools: *nix shell, Vim, Git, L^AT_EX, AWS Elastic Beanstalk

Languages

Mandarin: Mother tongue

English: Professional working proficiency