

Yihong Chen

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Education

2013

Computer Science, University at Buffalo, PhD.
GPA: 3.69

2009–2011

Software Engineering, Beijing Institute of Technology, Master.
GPA: 3.29

2004–2008

Electrical Engineering and Automation, North China Institute of Science and Technology, Bachelor.
GPA: 3.00

Project & Research Experience

2015

Structuring Uncertainty Using the maybe Statement.

2014

Flexible and Effective Smartphone Energy Management Using Jouler.

2014

Project of Introduction to Operating Systems, Implement large part of a POSIX-compliant kernel.

2013

Project of Machine Learning and Advanced Machine Learning, Learn some classic algorithms.

2011

Studying the Topic of Extracting Attributes and Their Values of Domain Objects, Research Proposal for Master degree.

2010

Theory and Method to Ontology Learning Field about Chinese Text, Cooperate with team and maintain old projects, Funded by National Natural Science Foundation of China.

2009–2011

Lab Work, Hold weekly meeting, organize thesis defense, manage internal codes, repositories, servers and other resources.

Programming Skills

Android Able to modify AOSP code: jouler, maybe
Wrote lots of Android Apps in PhoneLab project for research purpose

Server Familiar with Linux server management, nginx, Apache, MySQL and PHP
well understand RESTful API Design
Meteor package: xcv58:collection-api
Maybe server: <https://maybe.xcv58.me>

Languages

Java Wrote more than 15,000 lines of Java code, all problems of LeetCode

C Implement all Harvard OS/161 assignments

Python Familiar with matplotlib, Django and Flask

JavaScript Implement Maybe Backend
Familiar with Meteor Bunch of Chrome Extensions

Lisp Wrote lots of Emacs codes for my Emacs config

Shell tmux, sed, grep, awk, etc. in daily usage
my github Shell repository

Other Matlab, Machine Learning projects
L^AT_EX, in daily usage

Regular Expression Use regular expression fluently in various of languages

Lua, wrote plugins for Google Pinyin
PHP, customize Wordpress

Editors Vim and Emacs in daily usage
Keep a glimpse of Sublime and Atom