

# Yihong Chen

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🔗 xcv58



## Education

2013

**Computer Science**, *University at Buffalo*, PhD.  
Major GPA: 3.63

2009–2011

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

2004–2008

**Electrical Engineering and Automation**, *North China Institute of Science and Technology*, Bachelor.  
Major 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 testing 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  
**Python** Familiar with matplotlib, Django and Flask  
**Lisp** Wrote lots of Emacs codes for my Emacs config  
**Other** Matlab, Machine Learning projects  
LaTeX, in daily usage  
Lua, wrote plugins for Google Pinyin  
PHP, customize Wordpress

**C** Implement all Harvard OS/161 assignments  
**JavaScript** <https://maybe.xcv58.me>  
Bunch of bookmarklets  
**Shell** tmux, sed, grep, awk, etc. in daily usage  
my github Shell repository  
**Regular Expression** Use regular expression fluently in various of languages  
**Editors** Vim and Emacs in daily usage  
Keep a glimpse of Sublime and Atom

## Languages

**Chinese** Native  
**English** Fluent

*Mother Tongue*  
*Daily practice, conferences given in English*