# 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

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|---|---|---|---|
| Android | Able to modify AOSP code: jouler, maybe<br>Wrote lots of Android Apps in PhoneLab project for testing purpose | Server | Familiar with Linux server management, nginx, Apache, MySQL and PHP<br>well understand RESTful API Design<br>Meteor package: xcv58:collection-api<br>Maybe server: https://maybe.xcv58.me |

### Languages

| | | | |
|---|---|---|---|
| Java | Wrote more than 15,000 lines of Java code, all problems of LeetCode | C | Implement all Havard OS/161 assignments |
| Python | Familiar with matplotlib, Django and Flask | JavaScript | https://maybe.xcv58.me<br>Bunch of bookmarklets |
| Lisp | Wrote lots of Elisp codes for my Emacs config | Shell | tmux, sed, grep, awk, etc. in daily usage<br>my github Shell repository |
| Other | Matlab, Machine Learning projects<br>LaTeX, in daily usage | Regular Expression | Use regular expression fluently in various of languages |
| | Lua, wrote plugins for Goolge Pinyin<br>PHP, customize Wordpress | Editors | Vim and Emacs in daily usage<br>Keep a glimpse of Sublime and Atom |

## Languages

| | | |
|---|---|---|
| Chinese | **Native** | *Mother Tongue* |
| English | **Fluent** | *Daily practice, conferences given in English* |