

# Zhao Chang

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## Education

### University of Southern California

Los Angeles, CA

- Computer Science(scientist and engineer)

Aug 2017 - expected Dec 2019

### Northeast Electric Power University

Jilin, China

- B.S in Electrical Engineering and Its Automation
- Award & Honors: The ACM Asia Provincial Contests Silver Medal, First grade scholarship (top 5% of department), Excellent Student Leader

Sept 2012 - Jun 2016

## Work Experience

### Chinese Academy of Sciences

#### Software Development Engineer(full-time)

- Designed and developed distributed web crawler.
- Built academic knowledge base.
- Developed the search engine of academic knowledge base.
- Developed the visual relevance analysis system for academic information.

Beijing, China  
Jan 2016 – Jul 2017

### Chinese Academy of Sciences

#### Engineering Intern

- Developed the online analysis of error.
- Developed content management systems for the website.

Beijing, China  
Jan 2015 - Mar 2015

## Skills

**Language:** PHP, Python, SQL, JSON, SVG, C/C++, C#

**Web Development:** HTML/CSS/JS, JQuery, SQL, Bootstrap, Nodejs, VueJS, ReactJS

**Tools:** Octave, Git, Vim, ElasticSearch, D3, Kafka, Docker, Hadoop

**Relevant Coursework:** Object-oriented Programming(95%), Database Principle and Application(97%), College Computer Basis(90%), C Language Programming(96%),

## Project Experience

### Student Enrollment and Employment Office

Nov 2013 – Jun 2016

- [Developed the Student Employment Information Website of Northeast Dianli University \[link\]](#).
- Built the system that displays the employer's distributions.
- [Designed and developed the Admission Information Website of Northeast Dianli University \[link\]](#).
- Developed the Analysis and Speculation System of College Entrance Examination of Northeast Dianli University [link].
- Developed the printing system for admission notices information.

**Student Enrollment and Employment Office**

Oct 2013 – Jun 2016

- Designed and developed the official website of Architecture Engineering College <sup>[link]</sup>.
- Designed and developed the official website of nation-local joint engineering laboratory for power system security operation and energy saving technology <sup>[link]</sup>.

**Propaganda dept. of Northeast Dianli University**

Feb 2014 – Jul 2015

- Designed and developed official website of propaganda dept. of Northeast Dianli university <sup>[link]</sup>.
- Designed and developed the Northeast Dianli University's website of 'mass line' campaign <sup>[link]</sup>.

**Design of Monitoring and Control System for Interconnection of Mobile Device and the Household Appliance**

Oct 2014 - Mar 2015

- Presented and designed an intelligent monitoring and control system based on Raspberry Pi.

**Device Design of Short-distance Audio Transmission Based on Optical Technique** May 2014 - Jun 2014

- Designed the device that can transform the audio signal into the infrared ray signal.