

Allen (Zepeng) Zhao

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EDUCATION **Shenzhen University**, Shenzhen, China
Bachelor of Science, Mathematics, Sep, 2010 - May, 2012
University of Utah, Salt Lake City, UT
Bachelor of Science, Computer Science, May, 2012 - Present GPA: 3.76

COMPUTER SKILLS **Advanced Programming Languages:** C++, Java
Other Programming Languages: C, Python, SQL, C#, Go, Scala, \LaTeX .
Web Development: HTML, CSS, JavaScript, JQuery, Bootstrap, Hekyll.
Applications: Eclipse, Visual Studio, Android Studio, Github, VirtualBox, MySQL, Elasticsearch.
Operating Systems: Unix, Linux, Mac OSX, Windows, Android.

EXPERIENCE **Web Development Intern** NosqlRevolution
Summer, 2014 West Jordan, UT
Use Elasticsearch database management system to store real time twitter data at the local server. Use Java Jersey framework to connect to the elasticsearch server and query the data in the database management system. In the front end, use AngularJS to communicate with the Web server and display the information in a webpage.

Teaching Assistant for CS1410 University of Utah
Fall, 2014 Salt Lake City, UT
Hold lab sections, office hours to teach students how to reach a problem and resolve it. Write auto-grader to grade assignment in Python and grade weekly assignments

Undergraduate Research Assistant University of Utah
Spring, 2015 till present Salt Lake City, UT

- Build educational software for Finite State Automata teaching using iPython, Python and Javascript.
- Implement Open-Chord(Distributed Hash Table) in Scala.
- Implement Paxos in Scala.
- Create educational software for clustering algorithm teaching using d3.js
- Rebuild CPU Website using Hekyll, JQuery, Bootstrap, bibtex.js

GRADUATE LEVEL PROJECTS **Minibase System:** Implement a database system in C++. The semester long project implementations include the heapfile page, buffer manager, B+ tree, external sorting algorithm and sort-merge join.

Distributed Systems: Implement 4 distributed systems in Go language, including Mapreduce, Primary/back service with view service, paxos library and multi-paxos key/value store, shard key/value store with paxos peers.

INTERESTS Programming, Software Development