

# SHUO ERIC LI

1430 Bellemead St, San Jose, CA 95131  
lishuo.job@gmail.com, 217-898-0952

Website: <http://shuoli7.github.io>  
Github: [github.com/shuoli7](https://github.com/shuoli7)

## OBJECTIVE

Seeking an entry level or new grad **full-time or intern** position in software engineering

## EDUCATION

**University of Illinois at Urbana-Champaign** - Urbana, IL  
Master of Science in **Electrical and Computer Engineering**, GPA: 3.45/4.00 2015

**University of Illinois at Urbana-Champaign** - Urbana, IL  
Bachelor of Science in **Electrical Engineering, with Honors**, GPA: 3.58/4.00 2013

**Featured Studies:** Data Structures, Algorithms, Database Systems, Web Development

## WORK EXPERIENCE

**University of Illinois**, Graduate Teaching Assistant - Urbana, IL 08/2013 - 05/2015

- Instructed digital circuits, microprocessor and IP core design using SystemVerilog and FPGA
- Organized the laboratory sections with 30+ students, answered questions, and graded reports

**University of Illinois**, Graduate Researcher, advised by Dr. Schutt-Aine - Urbana, IL 03/2014 - 05/2015

- Developed a new algorithm for a truncation spurs-free structure of direct digital synthesizer to reduce the output noise by 55% using MATLAB, Verilog and FPGA

**Nanyang Technological University**, Engineering Intern - Singapore 06/2013 - 08/2013

- Developed a web crawler in Python to gather information from modern social networks

## PROJECT EXPERIENCE

**Database-driven Web-based Application - Budget Manager** 01/2015 - 05/2015

- Developed a web application using MEAN stack (MongoDB, Express, AngularJS, Node.js) that allows users to manage their budgets including input spendings, review expenses and monitor transactions
- Created a RESTful API that provides APIs for front-end to realize register/login and add/edit/delete
- Implemented additional features that improves UX design such as automated emails for new user verification, password reset, and overspending alerts
- Wrote the app in HTML/CSS, JavaScript and styled it with Bootstrap framework

**Search Engine for Wikipedia articles using Apache Hadoop** 03/2014 - 05/2014

- Wrote a XML crawler in Java to format the very large data sets into individual articles
- Implemented Map and Reduce functions using Hadoop to form the inverted index and Search and Rank functions to return results ranked by the frequency of occurrence of the word searched

**Database-driven Web-based Application - Course Scheduler (Team)** 08/2013 - 12/2013

- Developed a web application using LAMP stack (Linux, Apache, MySQL, PHP) that allows users to make study plans. Basic features include register/login and add/edit/delete course
- Implemented advanced feature to improve UX design - display the prerequisites in a tree graph
- Wrote the app in HTML/CSS, PHP, SQL and jQuery

## SKILLS

<b>Programming Technologies</b>	Java, Python, JavaScript, HTML/CSS/PHP/SQL
<b>Tools</b>	Node.js/Express, AngularJS, Bootstrap, jQuery, AJAX, REST, JSON
<b>Systems</b>	Git, Photoshop, Eclipse
<b>Languages</b>	OS X, Linux, Windows
	Mandarin Chinese (native), English (fluent)