

# SHUO LI

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## OBJECTIVE

Seeking an entry-level or university grad **full-time** position as a software engineer (full-stack, front-end)

## EDUCATION

**University of Illinois at Urbana-Champaign** - Urbana, IL  
Master of Science in **Electrical and Computer Engineering**, GPA: 3.45/4.00 05/2015

**University of Illinois at Urbana-Champaign** - Urbana, IL  
Bachelor of Science in **Electrical Engineering**, Graduation with Honors, GPA: 3.58/4.00 05/2013

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

## WORK EXPERIENCE

**Department of ECE at University of Illinois**, Teaching Assistant - Urbana, IL 08/2013 - 05/2015

- Taught a junior-level digital systems design lab of over 30 students using C, Verilog, and FPGA
- Instructions include intensive designing, coding, testing and debugging experiences

## PROJECT EXPERIENCE

**Database-driven Web-based Budget Manager - \$ave (Group)** 03/2015 - 06/2015

- Developed a web application that provides users with services to wisely manage their budgets including input daily spendings, review monthly expenses and monitor transaction history
- Built the web-app with MEAN stack (MongoDB, Express, AngularJS, Node.js)
- 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 Foundation framework (responsive design)

**Online Task Management System (Individual)** 01/2015 - 03/2015

- Created a RESTful API for a task management system that provides APIs for front-end to register/login and add/edit/delete tasks
- Changed old stack (MongoDB, Express, AngularJS, Node.js) to new stack (MongoDB, Meteor.js)

**Search Engine for Wikipedia articles using Hadoop (Individual)** 03/2014 - 05/2014

- Wrote a XML parser in Java to format title and text information into individual articles
- Implemented Map and Reduce functions in Java using Hadoop (MapReduce) to form the inverted index
- Built Search and Rank functions in Java that return a list of documents ranked according to the occurrence frequency of the word searched by the user

**Database-driven Web-based Course Planning System - iCourselect (Group)** 08/2013 - 12/2013

- Developed a web application that allows users to wisely make their study plans. Features include input and receive course information (name, time, etc.), rate hardness and check prerequisites in details
- Built the web app with LAMP stack (Linux, Apache, MySQL, PHP)
- Crawled data and formatted it into XML; implemented advanced feature to improve UX design - display the prerequisites in a tree graph (Google Visualization API applied)
- Wrote the app in HTML/CSS, JavaScript, Java, PHP and styled it with Bootstrap framework

## SKILLS

<b>Programming</b>	<b>proficient:</b> Java, Python, HTML, CSS/Sass, JavaScript/jQuery
<b>Frameworks</b>	<b>prior experience:</b> C++, Ruby, PHP/MySQL
<b>Tools</b>	Bootstrap, Foundation, AngularJS, Node.js/Express, Ruby on Rails, Meteor.js
<b>Tools</b>	Git, MongoDB, Photoshop
<b>Languages</b>	Mandarin Chinese (native), English (professional fluent)