

# Sicong Jiang

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## EDUCATION

### UNIVERSITY OF WISCONSIN BS IN COMPUTER SCIENCE

May 2016 | Madison, WI  
Cum. GPA: 3.19

## SKILLS

### PROGRAMMING LANGUAGES

Over 1000 lines:

Java • Matlab • C • Python • JavaScript  
Familiar:

Scheme • Swift • SQLite  
Assembly Language(x86) •  $\text{\LaTeX}$

### WEB DEVELOPMENT SKILLS

JavaScript • JSF • Spring • JSP  
Struts • Bootstrap • WebGL • Hibernate

### DATABASE SKILLS

SQLite • PostgreSQL • OracleSQL

### TOOLS

Git • SubVersion • Vim  
Eclipse • Xcode • Maven

## COURSEWORK

Algorithm  
Artificial Intelligence  
Computer Organization  
Computer Graphics  
Computer Networks  
Computational Photography  
Human-Computer Interaction  
Mobile System and Application  
Operating Systems  
Unix Tools and Scripting

## LINKS

Github:// [KevinSJ](#)  
LinkedIn:// [Kevin Jiang](#)

## EXPERIENCE

### TRAFFIC OPERATIONS AND SAFETY LAB | RESEARCH INTERN

Nov 2014 – Current | Madison, WI

- Worked in primarily Java using Struts framework to maintain and develop new functionality for the Wisconsin Lane Closure System
- Adding pagination to the search results and integrate Google Map to the WisLCS system using Javascript API to make it easy for users to select landmarks. In production.
- Continue as a research intern after graduation to develop various enhancements for Wisconsin Transportation Management System using Spring, Hibernate and JavaServer Faces. Currently focus on developing section-based comment for the system.
- Using Spring, Hibernate and Databable to develop 511 Travel Times which is used to retrieve travel times data in Wisconsin from archive.

### ALSTOM HIGH VOLTAGE SWITCHGEAR CO. | IT HELPDESK INTERN

May 2014 – August 2014 | Suzhou, Jiangsu, China

- Ensure proper recording, documentation and closure with troubleshooting calls.
- Troubleshoot and resolve basic network and server access problems for end-users from the Help Desk.
- Migrate client workstations from Windows XP to Windows 7.

## ACADEMIC PROJECTS

### TUTOR FINDER

Feb 2016 - May 2016

Worked in group to design and develop a iOS tutor finding app using Swift. The tutor finder app is intended to use as a tool for college students help each other, they can choose to be either a tutor or tutee to help each other. The app is developed using Loopback framework.

### IMAGE DEHAZING USING DARK CHANNEL PRIOR

Mar 2015 - May 2015

Worked with partner to develop and compare different dark channel prior algorithm that can be used to solve the problem of hazy images. All algorithms were implemented using MATLAB.

### SIMPLE UNIX SHELL

Sep 2015 - Dec 2015

A simple shell implemented in C with support for Batch and Interactive modes, command history and redirection.

### XV6 KERNEL HACK

Sep 2015 - Dec 2015

Implemented MLFQ scheduler, threading support, dynamic stack growth functionality and a reliable file system in C.

## SIDE PROJECTS

### PROJECT JOURNEY TO THE WEST

Apr 2016 - Current

Project Journey to the West is designed to use modern web technologies to introduce the classic Chinese novel *Journey to the West* to readers whose native language is not Chinese. The project is built using Node.js, D3.js and Bootstrap.