

# 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

Familiar:

Scheme • Swift • SQLite

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

### WEB APPLICATION TOOLS

JavaScript • JSF • Spring • JSP

JSF • Bootstrap • WebGL • Hibernate

### DATABASE SKILLS

SQLite • PostgreSQL

### TOOLS

Git • SubVersion • Vim

Eclipse • Xcode

## 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 | STUDENT DEVELOPER

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.

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

May 2014 – August 2014 | Suzhou, Jiangsu, China

- Ensure proper recording, documentation and closure with trouble call related issues
- Troubleshoot and resolve basic network and server access problems for end-users from the Help Desk.
- Migrate client PC 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. Students 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 Shiwei Zhou 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. The website is hosted on Heroku.