

Sihui Huang

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OBJECTIVE Software Engineering Intern where skills in C/C++, Java, Python, Swift, Ruby, C#, JavaScript, jQuery, AJAX, HTML, JSON, APIs, Web, Android, and iOS apps development, and excellent self-learning, problem solving, and cooperation skills will assist the company.

EDUCATION B.S. in Computer Science **GPA: 3.94 / 4.0**
The University of Texas at Dallas Expected: Dec. 2015

SKILLS	Programming Languages:	C++	Java	Python	Swift
		Ruby	C#	JavaScript	
	Mobile App Development:	Android	iOS		
	Web Application Development:	AngularJS	API	Ruby on Rails	
		MongoDB	JSON		
	Web Front-end Relative:	HTML	jQuery	AJAX	
		CSS	Sass	Bootstrap	
Operating Systems:	UNIX/Linux	OSX	Windows 8/7		
Version control Relative:	Git	GitHub	SourceTree		
Application Deployment:	OpenShift	Heroku	Google App Engine		

WORK EXPERIENCE

Engineering Intern - Dialexa, LLC.

May 2014 - present

- Developed a web application completely, both front-end and back-end, used Ruby on Rails, jQuery, AJAX, Amazon S3 storage and Google Map JavaScript API v3;
- Developed a RESTful API used by an iOS app, used JSON for data exchanging;
- Unit tested a .NET application in C#, achieved above 95% code coverage for assigned modules;
- Developed an iOS app in **Swift**, used NSURLSession to communicate with a RESTful API, used Google Map SDK for iOS;

Research Assistant - Multi-Agent & Visualization Systems Lab at UTDallas **Fall'13, Spring'14, Fall'14**

- Studied Agent-Oriented Programming and Multi-Agent System by participating in the MATISSE (Multi-Agent based Traffic Safety Simulation system) project;
- Developed a Vehicle-to-Vehicle communication mechanism for MATISSE;
- Participated in the process of publishing a paper for an IEEE Conference, responsible for the researching process and wrote the survey;
- Will lead the Comet Smart Campus Project in Fall 2014;

PROJECTS

Stealth Saver - AT&T Public Safety Hackathon **Best Use of AT&T M2X Apps Award** **June 2014**

Built an android app that sends an emergency SMS to a preset phone number along with user's location after a user activates it with voice commands, user's locations will be updated every minute and displayed to a map;

MarkIt - Side Project

May 2014

Designed and built a web app uses Web2Py, AngularJS, and D3.js to help users visualize relationships between saved bookmarks;

Data Structure Projects - Data Structure and Algorithm Course

Spring 2014

Implemented data structures and algorithms;

ACTIVITIES

Grace Hopper Celebration 2014

- Will Attend as a Scholar

Google Code Jam 2014

- Passed Qualification Round

Society of Women Engineers

- Member since Fall 2013