

Sihui Huang

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OBJECTIVE Software Engineering Intern where skills in 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
The University of Texas at Dallas
GPA: 3.94 / 4.0
Expected: May 2016

SKILLS

Programming Languages:	Python	Java	Swift	JavaScript
	Ruby	C#	C++	
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	OS X	Windows 8/7	
Version control Relative:	Git	GitHub	SourceTree	
Application Deployment:	Heroku	OpenShift	Google App Engine	

WORK EXPERIENCE

Engineering Intern - Dialexa, LLC. May 2014 - Dec. 2014

- 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;

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

- Attended as a Scholar

Google Code Jam 2014

- Passed Qualification Round

Society of Women Engineers

- Member since Fall 2013