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 skills, and cooperation skills will assist the company.

EDUCATION B.S. in Computer Science   **GPA: 3.94**
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:	Ruby on Rails AngularJS Web2Py API MongoDB JSON
Web Front-end Relative:	HTML CSS jQuery AJAX Sass Bootstrap
Application Deployment:	Google App Engine OpenShift HeroKu
Operating Systems:	UNIX/Linux OSX Windows 8 Windows 7
Version control Relative:	Git GitHub SourceTree
IDEs:	Eclipse Android Studio xCode Visual Studio

WORK EXPERIENCE

***Engineering Intern* - Dialexa, LLC.**   **May 2014 - present**

- Unit tested a .NET application in C#, achieved above 95% code coverage for assigned modules;
- Developed a web application completely, both front-end and back-end, used Ruby on Rails, jQuery, AJAX, Aamzon S3 storage and Google Map JavaScript API v3;
- Developed a RESTful API used by an iOS app, used JSON for data exchanging;
- 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**
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**
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**
Projects exercises the ability to implement data structures and development algorithms;

ACTIVITIES

Grace Hopper Celebration 2014	**Google Code Jam 2014**	**Society of Women Engineers**
- Will Attend as a Scholar	- Passed Qualification Round	- Member since Fall 2013

REFERENCES AVAILABLE UPON REQUEST