

San Jose, CA

LUFAN(IRIS) ZHANG, MS

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SOFTWARE ENGINEER DEVELOPMENT

Talented programmer with experience in software engineering and designing/developing applications. Self-disciplined, highly organized professional with the ability to thrive in high paced environments. Ability to manage many projects at once while working within strict deadlines and maintaining professionalism.

TECHNICAL SKILLS

Languages:	Skilled in JAVA, Android, MySQL; Familiar with PHP, C/C++, HTML, JQuery and JavaScript, CSS.
Database Systems:	SQL Server, SQLite, database design.
Operating Systems:	Macintosh, Linux, Window 7, Windows XP.
Web Tools:	LAMP, Apache, XML and Git.
Enterprise Tools:	Eclipse, Visual Studio, Matlab, SAP, Microsoft Office – Word, Excel, Outlook, PowerPoint.

EDUCATION

Rutgers University, New Brunswick, NJ	<i>Sep 2013- Oct 2015</i>
<i>Master of Science Candidate - Electrical & Computer Engineering</i>	
Xidian University, Xi'an, Shaanxi, China	<i>Sep 2009-July 2013</i>
<i>Bachelor of Science: Electrical & Computer Engineering</i>	
Awards/Honors: The Second Prize Scholarship, (Top 10%) Xidian University The Third Prize of Spark Cup, Xidian University	

WORKING EXPERIENCE

Software Engineer Developer Intern , Shaanxi Highway Electronic Engineering CO. Ltd, China	<i>May 2013-Aug 2013</i>
<ul style="list-style-type: none"> Collaborated with team of software engineer developer and built an Android application on Eclipse based on an instant communication platform. Worked on help caller feature which can receive and send different kinds of messages automatically. Contributed to UI design and software troubleshooting to improve user experience & tested capabilities of products. 	

PROJECTS

iGenius Stock predictor ✦ (Web Development)	<i>Jul 2014-Sep 2014</i>
<ul style="list-style-type: none"> Worked within a team and successfully established a website: iGenius Stock predictor which effectively predicted stock performances which ran on OpenShift, a cloud-based PaaS(Platform-as-a-Service). Analyzed the most efficient ways to execute the application, and ran RESTful PHP Web Service on a server with LAMP Module(Linux/Apache/MySQL/PHP) and utilized HTML/CSS/ and Java Script to implement front end. Efficiently downloaded data from Yahoo finance API and imported JAMA PHP library to implement the Bayesian Curve Fitting algorithm to accurately predict varying stock prices. 	
Greedy Snake AI ✦ (python)	<i>Mar 2014-May 2014</i>
<ul style="list-style-type: none"> Developed a traditional greedy snake AI game with Python. Primarily implemented a BFS algorithm and wandering strategy to control the steps of snake. Optimized each path to ensure that the body of the snake will fill up the whole matrix area and used the Curses extension module to control the display. 	
Bank System Simulation ✦ (C++)	<i>Oct 2013-Dec 2013</i>
<ul style="list-style-type: none"> Analyzed needs and created a Bank Account class and Stock Account which successfully implement transactions. Created a detailed class to store the current portfolio and store the transaction history with TXT file. Analyzed and provided a detailed graph showcasing the total monetary amount in the account of all users while connecting with Matlab. 	
Tracking Motion In a Video ✦ (Matlab)	<i>Sep 2013-Nov 2013</i>
<ul style="list-style-type: none"> Used MATLAB to read the video and get a set of image frames from this video. Matched two neighbor image frames using RANSAC algorithms and used Harris corner detector to accurately create the corner point. Implemented Lucas-Kanade optical flow method to track the objects' motion. 	

RELEVANT COURSES

▪ Data Structure and Algorithm	▪ Web Application design	▪ Computer Networks
▪ Database System	▪ Mobile Application design	▪ Linux System