Hannah Zhang

		J	Taiiiiaii 2	Znang			
469-450-6859	han.zhang1129@gmail.com		nail.com	zzz-icy.github.io		Dallas, TX 75206	
SKILLSET							
Programming Frameworks/ Libraries/APIs	PythonMySQLAngularJSMapReduce	 JavaScript PHP jQuery RESTful	 Java Ruby Bootstrap Slim	 C HTML/CSS Scikit-Learn TensorFlow	Tools/Platfo • Jupyter • Git • Linux	• Hadoop • Amazon EMR	
PROJECTS							
 Modeled Wi Geometric C communicat 	Network Model (reless Sensor Network) Graph to simulate to ion backbones in Ving Smallest-Las	works using Rar he selecting of WSN in linear ti	• me	Visualized the proce using JavaScript, jQ	uery and HTM	L5 Canvas.	
Product Invento	rv Manager (Jav	aScrint, Angula	r.JS, SOL, PH	P)			
 Developed a manager where users can manage products in inventory by breaking real-world problems down into manageable steps, and designing in MVC pattern. 				• Implemented using AngularJS, Bootstrap UI for product edit, PHP Slim to create data provider / RESTful API and MySQL for the database.			
 Movie Recommendation System (Python, MRJob, Amazon Performed Item-based Collaborative Filtering on MovieLens dataset using MRJob in Python as the interface for Hadoop to handle with MapReduce tasks. 				• Analyzed 1 million movie ratings across 16 machines on Amazon Elastic MapReduce to find similarities among movies for the recommendation.			
 Provided gui price expecte factors. Performed experiments 	ediction - Machinidance to vineyarded on products with education with the control of the control	s regarding qual thout reliance or s, data cleaning	ity and • volatile and •	arn, Pandas) Created multilayer p quality, tuned hyper generalization performs Implemented in the Scikit-learn, NumPy	parameters and rmance using S Jupyter noteboo	evaluated cikit-learn. ok using Python,	
 Suggestion Box (JavaScript, AngularJS, Bootstrap) Aimed to implement a web application where users can vote, write and comment on suggestions to help managers gather opinions on specific problems. 				 Developed using Bootstrap and AngularJS. Debugged and tested using Chrome DevTools and http-server node package for NPM. 			
 Interactive Product Design - Streams (UI/UX, Proto.io) Collaboratively developed UI/UX to create an integrated platform providing users greater control over multiple social media feeds. 			integrated •	 Adopted guidelines to gather requirements, write user stories, created user journey, hand-drawn wireframes and converted into a hi-fi prototype on Proto.io. 			
EDUCATION Southern Methodist University (GPA: 3.73/4) Soochow University Xi'an University of Posts and Telecoms				M.S. in Computer So M.S. in Electrical Er B.S. in Electrical En	cience ngineering	09/2016 - Present 09/2011 - 07/2014 09/2007 - 07/2011	
WORK EXPER	IENCE						
Electronics Assembly Technologist Shanghai Aerospace Equipment Manufacturer						07/2014 - 07/2015	
	EMS Accelerome	ter Servo ASIC	Development a	inese Academy of Sciend designed the testing	g system, based	03/2013 - 12/2013 on FPGA and NIOS	

PATENTS
A Serial Bus Communication Bridge, CERTIFICATION **PUBLICATION** MEMS Analog Feedback Acceleration Google Analytics IQ Sensor and its Testing, Technical Acoustic Business English Certificate, Vantage Patent Number: 201420121985.9

II soft core using Verilog and C, for performance analysis of accelerometer in structural health monitoring.