Yihong Chen

2013

Education

Atom Packages

Git, in daily usage

able to modify Linux Kernel

Lisp Wrote Elisp codes for my Emacs config

Groovy, in custom gradle plugin

PHP, customize Wordpress

Matlab, Machine Learning projects Lua, wrote plugins for Goolge Pinyin

LATEX, write papers/documentations

C Implement all Havard OS/161 assignments,



Python Familiar with matplotlib & Plotly, use python

tmux, sed, grep, awk, etc. in daily usage

Use regular expression fluently in various of

to process log and plot figures

Vim and Emacs in daily usage

Keep a glimpse of Sublime and Atom

my github Shell repository

languages

Shell

Regular

Editors

Expression

	computer science, emocrony at Dayland, The, GIII o.co.	
2009–2011	Software Engineering, Beijing Institute of Technology, Master, GPA: 3.29.	
2004-2008	Electrical Engineering and Automation Bachelor, GPA: 3.00.	, North China Institute of Science and Technology,
	Project & Research Experience	
2015	 Structuring Uncertainty Using the maybe Statement, Leader. Introduce maybe syntax to enable uncertainty programming for mobile system Implement all componments: Custom Java Compiler, Gradle Plugin, Android Studio IDE Plugin, Backend based on Meteor, Maybe Android Library, Real-time Machine Learning 	
2014	Flexible and Effective Smartphone Energy Management: Jouler, Contributor. - Introduce a policy framework enabling effective and flexible smartphone energy management - Add a system service in Android platform that provides several energy control mechanisms	
2014	 Develop Android app to provide different energy manage policies Project of Introduction to Operating Systems, Implement large part of a POSIX-compliant kernel. 	
2011	 Implement Synchronization Primitives, System Calls, and Virtual Memory Management Studying the Topic of Extracting Attributes and Their Values of Domain Objects, Research Proposal for Master degree. Use NLP and semi-supervised Machine Learning to extract attribute or attribute value from encyclopedia websites Theory and Method to Ontology Learning Field about Chinese Text, Cooperate with team and maintain old projects, Funded by National Natural Science Foundation of China. Tag and standardize time expressions from Chinese free text 	
2010		
 Design and implement a web platform to demonstrate all subprojects (written in different languages) Programming Skills 		
Android	 Modify AOSP code: jouler, maybe Customize gradle build system Develop plugin for Android Studio Develop Android Apps in PhoneLab project 	 Java – Wrote more than 20,000 lines of Java code, includes server side, Hadoop, Android platform/client – Customized Java compiler – Well understand Garbage Collection in
JavaScript	 for research purpose Familiar with Node.js & Meteor implement Maybe Backend Meteor package: xcv58:collection-api Wrote Bunch of Chrome Extensions and Atom Packages 	Java & Dalvik Backend – Well understand RESTful API Design – Familiar with Linux servers: nginx, Apache – Knowledge of Different Databases: MongoDB, MySQL

Computer Science, University at Buffalo, PhD, GPA: 3.69.