LIN XIA

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Seeking for 2018 Summer Software Engineering Intern

EDUCATION

Master of Computer Science (Software Engineering)   Aug. 2017 – Dec. 2018
University of Southern California
B.S. Software Engineering   Aug. 2011 – Jul. 2015
University of Electronic Science and Technology of China   GPA 3.7

Relevant Coursework: Text Information Systems, Algorithms, Data Mining, Computer Vision, Compiler Construction, Programming language, Operating System, Database, Software Engineering

SKILLS

Programming Languages: JavaScript(ES6); C++; C; Java; HTML; CSS; SQL
Framework and Platform: Android; Angular; jQuery; MySQL

EXPERIENCE

Software Engineer :: TCL Multimedia(smart TV makers) :: Shenzhen :: China
Jul. 2015 – Nov. 2016
- Implemented responsive TV user interfaces, including TV home page, video search & recommendation page, movie category page and browsing history using HTML5, CSS3 across 6+ browsers
- Led team of 3 developers in optimization of TV video search application, reducing initial loading time by 40%(7000ms) and subsequent loads by 30%(5000ms).
- Migrated TCL Live TV app from mobile Android 4.3 to Android TV 5.0, involving refactoring a large amount of code to meet Google TV standard

Software Engineering Intern :: IBM :: Beijing :: China   Jul. 2013 – Oct. 2013
- Built user management system, accomplished access control list for 3 types of users
- Collaborated with team of 5 intern to work on bug fixes on mini bank system; reduced system bugs by 26%
- Designed logical data structure and drawn E-R diagram for customers and tellers of mini Bank

PROJECTS

MiniBank :: A small-scale simulation of bank transaction system   Jul. 2011 – Oct. 2013
- Maintained Transaction code management function which allows Senior teller to check and modify transactions
- Designed Batch system, allowing system to flash copy, ledger validation, Interest calculation

Talk to me :: A Google-Home like Android speech recognition device. (https://youtu.be/Gq9AD1bJtmA)   Nov. 2013 – Apr. 2012
- Performed sentence parsing function, constructing formal logic queries by word splitting with given grammar.
- Built communication protocol between device and mobile client based on HTTP, including text/voice transmission

Bus Nap :: an android application to remind users when approaching the destination.
Jun. 2012 – Oct. 2012
- Implemented a hybrid approach to alarm, consisting of dynamic strategy using GPRS and Google Map API and pre-calculated data using time duration between stations to predict arrival time

HONORS

National Scholarship (Top 5%), awarded by Ministry of Education of China :: 2014
Google Android College Student Contest, Third Prize :: Southwest China Region :: 2012
Baidu Machine Learning Innovation Programming Contest, First Prize :: 2014