LIN XIA

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EDUCATION

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

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

EXPERIENCE

TCL Multimedia(smart TV makers) :: software engineer :: Shenzhen   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.

IBM :: Software Engineering Intern :: Beijing   Jul. 2013 – Oct. 2013

- Built user management system, accomplished access control list for various 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 for customers and tellers of mini Bank.

PROJECTS

MiniBank :: a small-scale simulation of bank transaction system.

- 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)

- Performed sentence parsing function, constructing formal logic queries by word splitting with given grammar.

- Built communication protocol between device and mobile client, including text/voice transmission

Bus Nap:: an android application to remind users when approaching the destination.

- 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

- Google Android College Student Contest, Third Prize :: Southwest China Region :: 2012

- Baidu Machine Learning Innovation Programming Contest, First Prize :: 2014

SKILLS

- Programming Languages: JavaScript; C++; C; Java; HTML; CSS;

- Framework and Platform: Android; Angular; jQuery;