

# JiaHeng Zhang

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2620 Ellendale Pl Apt 305, Los Angeles, CA 90007

## EDUCATION

<b>University of Southern California</b> , <i>Los Angeles, CA</i> <b>Master of Science</b> , <i>Computer Science</i> – GPA: 3.8/4.0	Aug. 2014 - Dec. 2015 (Expected)
<b>Xidian University</b> , <i>Xi'an, P.R. China</i> <b>Bachelor of Engineering</b> , <i>Computer Science and Technology</i>	Aug. 2010 - Jun. 2014

## SKILLS

**Languages** – C, C++, C#, Python, PHP, Hack, Javascript, Java, Scala, R, Matlab, VB  
**Platforms** – Windows, Android, WinRT, \*nix, Web

## WORK EXPERIENCE

<b>Facebook</b> , <i>Seattle, WA</i> <b>Full Stack Engineer Intern</b> , <i>Ads Payments Infra Team</i> – Designed and implemented internal visualization tool to show organizational hierarchy and detailed information for Atlas entities; – Implemented automatic core data migration and improved the accuracy of billing amount for Atlas Biller.	Jun. 2015 - Aug. 2015
<b>University of Southern California</b> , <i>Los Angeles, CA</i> <b>Software Quality Assurance Tester</b> , <i>Financial Aid Office</i> – Developed, maintained, and implemented test strategies, plans, procedures, and cases; – Evaluated and tested new or modified FAO software programs to verify the functions according to user requirements and conform to established guidelines.	Mar. 2015 - May. 2015
<b>Microsoft Research Asia (MSRA)</b> , <i>Beijing, P.R. China</i> <b>Engineering Intern</b> , <i>Innovation Engineering Group</i> – Participated in development of <b>FaceSwap</b> , a project for swapping faces in photos; – Implemented face detection, automatic alignment and manual alignment with constraints based on the latest face technologies from MSRA research teams; – Improved performance and re-designed user interface (UI) and user experience (UX).	Jul. 2013 - Jan. 2014

## RELEVANT PROJECTS

<b>Babel</b> Babel is a social carpooling platform. It helps car owners to create events to have more tour mates on the car. On the other hand, it helps people who don't have a car to get a lift to a certain destination. – Designed and developed mobile App for Windows Phone 8.1;	Jan. 2015 - Feb. 2015
<b>Bookit</b> <a href="http://bookitapp.org">http://bookitapp.org</a> ( <i>Chinese</i> ), <i>Team Leader, Designer, Developer</i> An application to help users to get library collection information using keywords or bar code of a book, consisting of server backend and multiple platform clients (Windows Phone, Android, iOS, Chrome, Firefox). – Implemented to fetch data from over 100 libraries in server with PHP and MySQL; – Developed client apps for Windows Phone and Android; – Publicized and promoted the app, leading to over 20 thousand downloads among college students in China.	Jun. 2011 - May. 2014
<b>TencentCrawler</b> A parallel web crawler for getting user comments of Tencent products from app stores, forums and weibo, and financial news from news providers. – Designed, implemented the crawling logic, data storage, parallelization and programming interface.	Mar. 2014 - Dec. 2014
<b>NLM Parallel</b> An application of my research result on parallelized Non-local Means (NLM) algorithm with heterogeneous computing based on OpenCL. – Analyzed serial NLM algorithm and designed a parallel scheme to speed up the algorithm up to 600x; – Designed architecture of the program and implemented communication with GPU; – Authored and published <i>A Solution for Speeding up Non-local Means Denoising Algorithm by GPU</i> on HPC China 2013 (National Annual Conference on High Performance Computing).	Sept. 2012 - Dec. 2012